



# SOUTH DAKOTA

---

## COURSES

### **CGI Problems Created by South Dakota Math Teacher Leaders**

#### **South Dakota Math Specialists:**

ESA 1 – Shawn Olson

ESA 2 – Natalie Musser

Sioux Falls – Sue McAdaragh

ESA 3 – Roxane Dyk

ESA 4 – Jonath Weber

ESA 5 – Tracy Mittleider

ESA 6 – Lucy Atwood

ESA 7 – Marcia Torgrude

## KINDERGARTEN

### JOIN RESULT UNKNOWN

1. Rylee has 5 dinosaurs. Jayden gave him 4 more dinosaurs. How many dinosaurs does Rylee have?
2. Braden had 2 Transformers. He got 3 more Transformers for his birthday. How many Transformers did he have then?
3. Luke has 6 cars. He buys 3 more cars. How many cars does Luke have now?
4. There are 6 frogs on a log and 2 more frogs hop onto the log. How many frogs are there all together?
5. Andrea has 5 toys. She wants to buy 4 more toys. How many toys would she have then?
6. Alen has 6 fish. He wants to buy 2 more fish. How many fish would Alen have then?
7. Sabrina has 5 cats. She wants to buy 3 more. How many cats would Sabrina have?
8. Reece has 3 fish. He wants to get 2 more fish. How many fish would he have then?
9. John had 5 trucks. Morgen gave him 2. How many did they have in all?
10. Jonah had 2 Oreos at snack time. He had 4 Oreos after dinner. How many Oreos did he eat today?
11. Tara has 6 balls. She gets 6 more balls from Karley. How many balls does Tara have now?
12. Nathan had 6 stickers. Parker gave him 7 more stickers. How many stickers does Nathan have altogether?

### JOIN CHANGE UNKNOWN

1. Maddy has 7 cookies. How many more cookies does she need to have 10 cookies altogether?
2. Dean had 3 toy cars. His dad sent him some more toy cars. Then he had 6 toy cars. How many toy cars did Dean's dad send him?
3. Stephanie has 5 Barbie dolls. How many more does she need to buy to have 7 Barbie dolls?
4. Ellie has 4 Brat dolls. At Christmas her grandma gave some more, now she has 8 dolls. How many dolls did her grandma give her?
5. Matthew has 4 cans of pop. How many more does he have to buy to have 8 cans of pop?
6. Bella has 2 Bratz dolls. How many more does she need to buy to have 7 Bratz?
7. Tanner has 8 bionacles. How many more does he have to get to have 12 bionacles?
8. Trinity has 2 Bratz dolls. How many more does she have to buy to have 4 Bratz dolls?
9. Talour had 3 puppies and Porter had some also. They had 5 in all. How many did Porter have?
10. Johan has lunch at 1:00 and snack at 4:00. How many hours must he wait to eat?
11. Bob has 3 elephants. How many more elephants does he have to buy to have 10 elephants?
12. Keenan has 6 toy cars. How many more cars does he need to have 13 cars altogether?

# KINDERGARTEN

## JOIN START UNKNOWN

1. Rachel had some books. Jaelyn gave her 6 more books. Now she has 12 books. How many books did Rachel have to start?
2. Madison had some gum. Her mom gave her 2 more pieces of gum. Now she has 7 pieces of gum. How many pieces of gum did Madison start with?
3. Kevin has some footballs. He got 4 footballs for his birthday. Now he has 10 footballs. How many did Kevin have to start with?
4. Addison has some fish. His mother gives him 3 more, now he has 8 fish. How many fish did Addison start with?
5. Summer has some shoes. She gets 4 more. Now she has 12. How many shoes did she start with?
6. Camryn has some cookies in her lunch. Diang gives her 3 more. Now she has 8 cookies. How many did she start with?
7. Erin has some Bratz Barbies. She gets 3 more for her birthday. Now she has 9. How many did she start with?
8. Mady has some markers. Skyla gave her 3 more markers. Now she has 7 markers. How many did she have at first?
9. The kindergarten class spent some time at the park. They walked around and picked up trash for 2 hours. They were outside a total of 3 hours. How many hours were they at the park?
10. Jonah had some trains. His uncle gave him 3 trains. Now he has 10 trains. How many did he start with?
11. Jane has some snakes. She buys 5 more snakes. Now Jane has 11 snakes. How many snakes did she buy?
12. Summer had some dolls. Ellie gave her 5 more dolls. Now she has 13 dolls. How many dolls did Summer have to start with?

## SEPARATE RESULT UNKNOWN

1. Sam had 11 blocks. He gave 7 to Mike. How many blocks does Sam have left?
2. Ethan had 4 puppies. He gave 3 puppies to Jayce. How many puppies does Ethan have left?
3. Charles had 10 pieces of gum. He chewed 4 of the pieces of gum. How many pieces of gum does Charles have left?
4. Memphis has 9 dog bones. He eats 3 of them. How many dog bones does Memphis have left?
5. Nick had 6 gummies. At snack, he ate 2 of them. How many gummies does Nick have left?
6. Evelin has 10 markers. 5 of them are dried out. How many of her markers work?
7. Dawit had 11 brownies. During snack, he ate 4 of them. How many brownies did he have left?
8. Kayler had 5 cookies. At snack, he ate 2 cookies. How many cookies does he have left?
9. Angelika was at school 8 hours. She was outside for 2 hours. How many hours was she inside?

## KINDERGARTEN

### SEPARATE RESULT UNKNOWN (CONT.)

10. Jonah had 15 kids in his class. 8 of the kids were boys. How many girls were in the class?
11. Alexis had 9 bags of cotton candy. She sold 4 of the bags. How many bags of cotton candy does Alexis have left?
12. Karly had 16 pencils. She gave 6 to Hannah. How many pencils does Karly have left?

### SEPARATE CHANGE UNKNOWN

1. Kennedy had 10 apples. She gave some to John. Now she has 2 apples left. How many apples did she give to John?
2. Tice had 8 cupcakes. He gave some cupcakes to Zane. Now he has 2 left. How many cupcakes did Tice give Zane?
3. Joe had 8 pencils. He lost some of his pencils. Now he has 3 pencils. How many pencils did Joe lose?
4. Justin has 15 cookies. His older brother Alec eat a few. Now he only has 10. How many cookies did Alec eat?
5. 10 students were on the playground. Some children went in to the office. There are 7 children still outside. How many went to the office?
6. 12 kids were playing at recess. Some children went into the office. There were 10 kids still outside. How many kids went to the office?
7. David had 6 Matchbox cars. He lost some of them when they moved. Now he has 3. How many did he lose?
8. 8 students from K03 were playing tetherball. Some went to the woodchip area. 5 students were still playing tetherball. How many went to the woodchip area?
9. Jessica brought 10 cupcakes for snack. She gave them out. She has 2 left. How many did she give out?
10. Kennedy got \$10 for her birthday. She bought a ball and has \$7 left. How much was the ball?
11. 8 elephants were in the ring. Some of the elephants left. There are still 2 elephants in the ring. How many elephants left?
12. Miles had 25 marbles. He gave some to Hayden. Now he has 20 marbles left. How many marbles did Miles give to Hayden?

## KINDERGARTEN

### SEPARATE START UNKNOWN

1. Courtney had some blocks. She gave 5 blocks to Nicole. Now she has 8 blocks left. How many blocks did Courtney have to start?
2. Tehya had some Bratz dolls. She gave 3 Bratz dolls to Kelly. Then she had 2 left. How many Bratz dolls did Tehya have to start with?
3. Grace had some candy. She ate 3 pieces of the candy. Now she has 1 piece of candy. How much candy did Grace have to start with?
4. Beyonce had some cupcakes. She gave 3 of them to her teacher. Now she has 12 left. How many cupcakes did Beyonce start with?
5. Chris has some penguin books. He gave 5 of them to John. Now he has 6 left. How many books did he bring to school?
6. Harold has some cars. He gave 2 to Irene. Now he has 7 cars left. How many cars did he start with?
7. Jaden invited some friends to his birthday party. 3 friends went home early. Now there are 7 left. How many came to his party?
8. Kylie had some money. She spent \$1.00 on a candy bar. Now she has \$3.00 left. How much money did Kylie have to start with?
9. Alexis has some toy horses. She lost 3 of them. She still has 6. How many did she have to start with?
10. Kennedy had some pennies. She gave 10 to her cousin. Now she has 6 left. How many did she start with?
11. Connor had some monkeys. He gave 7 monkeys to Allen. Now Connor has 3 monkeys left. How many monkeys did Connor have to start with?
12. Henry had some pieces of gum. He gave 7 pieces to Tanner. Now he has 9 pieces left. How many pieces did Henry have to start with?

### PART-PART-WHOLE – WHOLE UNKNOWN

1. Jarron has 5 red triangles and 10 blue squares. How many shapes does he have altogether?
2. 1 boy and 5 girls are playing on the merry-go-round. How many children are playing on the merry-go-round?
3. Nicole has 6 red buttons and 6 green buttons. How many buttons does Nicole have?
4. There are 7 chocolate chip cookies and 5 M & M cookies. How many cookies are there all together?
5. There are 12 boys in K003. There are 10 girls in K003. How many students are there in K003?
6. There are some bears in a jar. There are 6 blue bears and 4 yellow bears. How many bears are in the jar?
7. There are 9 girls and 9 boys in Mrs. Smith's class. How many children are in the class?
8. In the park there are 2 slides and 5 swings. How many equipment pieces are there?

## KINDERGARTEN

### PART-PART-WHOLE – WHOLE UNKNOWN (CONT.)

9. There are 3 boys in class. There are 7 girls. How many kindergarteners are there?
10. Kennedy has 4 girl cousins and 8 boy cousins. How many cousins does she have?
11. There are 3 lions and 2 tigers in the cage. How many cats are in the cage?
12. Harley had 6 red balls and 5 blue balls. How many balls does he have?

### PART-PART-WHOLE – PART UNKNOWN

1. Jacob has 15 circles. 5 are red and the rest are blue. How many blue circles does Jacob have?
2. Brekken has 10 hamsters. 5 are girls and the rest are boys. How many boy hamsters does Brekken have?
3. There are 11 pattern blocks on the floor. 6 of the pattern blocks are squares. The rest are hexagons. How many blocks are hexagons?
4. There are 16 students. 8 students are boys. How many students are girls?
5. There are 22 students in K003. 12 of them are boys. The rest are girls. How many are girls?
6. There are 9 candy canes in the estimation jar. 4 candy canes are broken. The rest are not broken. How many candy canes are not broken?
7. There are 19 children in Mrs. D's class. 10 are boys. How many are girls?
8. There are 10 students in kindergarten. Three are boys. How many girls are there in kindergarten?
9. Jonah has 11 books about trains. 8 are about Thomas and the rest are not. How many books are not about Thomas?
10. There are 12 acrobats. 7 of them are girls. How many boy acrobats are there?
11. Melissa has 20 blocks. 6 are squares and the rest are triangles. How many triangles does Melissa have?

### COMPARE DIFFERENCE UNKNOWN

1. Zach has 14 cars. Derik has 7 cars. How many more cars does Zach have than Derik?
2. Haylee has 4 markers. Reyna has 3 markers. How many more markers does Haylee have than Reyna?
3. Chris has 9 balls and Zachary has 6 balls. How many more balls does Chris have than Zachary?
4. Ali has 13 markers. Tyler has 9 markers. How many more markers does Ali have than Tyler?
5. Mason has 3 pencils. Marissa has 2 pencils. How many more pencils does Mason have than Marissa?
6. Jal has 6 crayons. Jayden has 3 crayons. How many more crayons does Jal have than Jayden?
7. Riky has 5 markers. Haley has 2 markers. How many more markers does Riky have than Haley?
8. Tyler has 4 markers. Nathan has 5 markers. How many more markers does Nathan have than Tyler?

## KINDERGARTEN

### COMPARE DIFFERENCE UNKNOWN (CONT.)

9. Lauren played 4 hours. Bowen played 2 hours. How many more hours did Lauren play?
10. Jonah has 10 pennies. Kennedy has 7 pennies. How many more pennies does Jonah have than Kennedy?
11. Bozo has 4 dogs. Lucy has 3 dogs. How many more dogs does Bozo have than Lucy?
12. Brenden has 15 snowballs. Mrs. Plendl has 6 snowballs. How many more snowballs does Brenden have than Mrs. Plendl?

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

1. Roman has 3 books. Hannah has 9 more than Roman. How many books does Hannah have?
2. Reyna has 3 markers. Haylee has 1 more marker than Reyna. How many markers does Haylee have?
3. Madison has 4 blocks. Nyah has 6 more blocks than Madison. How many blocks does Nyah have?
4. Angela has 6 mittens. Jordan has 4 more mittens more than Angela. How many mittens does Jordan have?
5. Sydney has 8 markers. Logan has 2 more. How many markers does Logan have?
6. Keyara has 3 character cash. Lawrence has 4 more than Keyara. How many character cash does Lawrence have?
7. Nathan has 4 crackers. Garrett has 3 more than Nathan. How many crackers does Garrett have?
8. Achiel has 3 cookies. Lytasia has 4 more than Achiel. How many cookies does Lytasia have?
9. Kasidi rode in a car for 5 hours. Jadyn rode in a car 2 more hours than Kasidi. How many hours did Jadyn ride in the car?
10. Jonah has \$5. Kennedy has \$6 more than him. How much money does Kennedy have?
11. Ben has 2 motorcycles. Jerry has 3 more motorcycles than Ben. How many motorcycles does Jerry have?
12. Mrs. Hummel has 8 chicken nuggets. Mrs. Eckhoff has 3 more than Mrs. Hummel. How many chicken nuggets does Mrs. Eckhoff have?

## KINDERGARTEN

### COMPARE REFERENT SET UNKNOWN

1. Philicity has 10 markers. She has 5 less markers than Maddy. How many markers does Maddy have?
2. Haylee has 4 markers. She has 1 more marker than Reyna. How many markers does Reyna have?
3. Jakob has 8 cookies. He has 5 more cookies than Sheridan. How many cookies does Sheridan have?
4. Mason has 15 Skittles. He has 5 more than Emma. How many Skittles does Emma have?
5. Micah has 15 goldfish crackers. He has 7 more than Isabella. How many goldfish crackers does Isabella have?
6. Mariah has 1 character cash. She has 4 fewer than Miranda. How many character cash does Miranda have?
7. Kylee has 8 Barbies. Kylee has 2 less than Erin. How many Barbies does Erin have?
8. Skyla has 10 dolls. She has 2 more than Emma. How many does Emma have?
9. Morgen was on vacation 5 days. He was on vacation 2 days longer than Bowen. How many days was Bowen on vacation?
10. Kennedy has 8 pennies. She has 6 more pennies than Jonah. How many pennies did Jonah have?
11. Sam has 6 fire trucks. He has 4 fewer fire trucks than Al. How many fire trucks does Al have?
12. Anthony has 9 books. He has 2 more books than Katie. How many books does Katie have?



## FIRST GRADE

### JOIN RESULT UNKNOWN

1. John had 6 cars. Earl gave him 9 more cars. How many cars does John have altogether?
2. Kole has 6 toy trucks to play with. His brother gave him 6 more. How many trucks does Kole have to play with?
3. Jeremiah read 5 books. He will read 4 more books. How many books will Jeremiah have read all together?
4. Jackie had 5 pennies. Her mom gave her 5 more pennies. How many pennies does Jackie have now?
5. Maria left for school at 8:00. It took 1 hour to get to school. What time did she arrive at school?
6. The first grade students built \_\_\_\_\_ snowmen. They want to build \_\_\_\_\_ more. How many snowmen will they build in all?
7. Nikki has 2 mittens. His grandma knits him 2 new mittens. How many mittens does he have now?
8. There are 7 fresh water fish in the aquarium. If the marine biologist adds 4 more fish, how many fish are in the tank?
9. Tommy has 10 trucks. He buys 7 more trucks. How many does he have now?
10. Stina has 22 markers. Her mom gave her a new box of 16 markers. How many markers does she have now?
11. Nick made 9 snowballs. Then he made 4 snowballs. How many snowballs does he have now?
12. Sam had 5 green eggs. He bought 3 more. How many green eggs does he have?
13. Abby has 5 gumdrops. Olivia gives her 3 more. How many does she have now?
14. Rachel had 9 cookies. Mrs. Smidt gave her 2 more cookies. How many cookies does Rachel have now?
15. Drew had 7 cars. Mark gave him 4 more cars. How many cars does Drew have altogether?

### JOIN CHANGE UNKNOWN

1. Jordan has 3 cars. How many more cars does he need to have 12 cars altogether?
2. Kole has 6 toy trucks. His brother gave him more trucks. Kole now has 12 trucks. How many trucks did his brother give him?
3. Lindsey has 6 pieces of bubble gum. How many more pieces of bubble gum does she need to buy to have 12?
4. Jackie has 15 cents. She got some more cents. She now has 20 cents. How much money did she get?
5. Cody went to bed at 8:30. He got up at 5:30. How many hours did Cody sleep?
6. The first grade students built \_\_\_\_\_ snowmen. At second recess they built some more. They have \_\_\_\_\_ snowmen on the playground. How many more did they build?
7. There are eight animals in the mitten. Some more animals crawl in. Now there are 10 animals in the mitten. How many animals crawled in?

## FIRST GRADE

### JOIN CHANGE UNKNOWN (CONT.)

8. The squirrel has 7 nuts in the tree. How many more does it need to have 12 in all?
9. Morgan baked 12 cupcakes. How many more does she need to bake to have 20 (enough for the class)?
10. Ian has 5 cars to play with at recess. He wants to have 11 cars. How many more cars does he need?
11. Nicole has 15 bracelets. How many more does she need to buy to have 30 bracelets?
12. Sam had 4 mice. He bought some more. Now he has 11 mice. How many mice did he buy?
13. Shelby has 10 crayons. Blake gave her some more. Now Shelby has 13 crayons. How many did Blake give her?
14. Ethan has 19 elephants. How many more elephants does he need to have 23 elephants altogether?
15. Ted has 9 cars. How many more cars does he need to have 11 cars altogether?

### JOIN START UNKNOWN

1. John had some cars. Covey gave him 6 more cars. Now he has 10 cars. How many cars did John have to start with?
2. Kole had some toy trucks. His brother gave him 6 more and now he has 12 trucks. How many trucks did Kole have to start with?
3. Lindsey needs to buy more bubble gum so she'll have 10. She already has 3 pieces. How much more does she need to buy?
4. Jackie got some money for her birthday. She spent 10 cents. She has 50 cents left. How much money did she get for her birthday?
5. Aspyn has some time to play with her friends. She played for 3 hours. Aspyn arrived at home at 7 p.m. What time did she start playing with her friends?
6. The first grade students built some snowmen at first recess. At second recess they built \_\_\_\_\_ more. Now they have \_\_\_\_\_ snowmen. How many did they build at first recess?
7. There were some animals in the mitten. 4 more animals came in. Now there are 9 animals in the mitten. How many animals were in the mitten to begin with?
8. Turtles were hatching from eggs. Six turtles hatched on Tuesday. There were 11 turtles by Thursday. How many hatched Wednesday?
9. Trevor has a car collection. He bought 7 more cars. Now he has 13. How many cars did he start with?
10. Ashley baked some cookies. She baked 6 more and now she has 12 cookies. How many did she start with?
11. At first recess Brady made some baskets. At second recess Brady made 10 baskets for a total of 19 baskets. How many baskets did Brady make at first recess?
12. Sam has some goats in a boat. He got 3 more from Pam. Now he has 12 goats. How many did Sam start with?

## FIRST GRADE

### JOIN START UNKNOWN (CONT.)

- Nicholas had some fish in his tank. His mom bought him 6 more. Now he has 12 fish. How many fish did he start with?
- Megan had some markers. Kip gave her 3 more markers. Now she has 16 markers. How many markers did Megan have to start with?
- Drew had some cars. Mark gave him 6 more. Now he has 11 cars. How many cars did Drew have to start with?

### SEPARATE RESULT UNKNOWN

- Ethan had 14 cars. He gave 9 to Earl. How many cars does Ethan have left?
- Colten's dog had 12 puppies. He gave 3 puppies away. How many puppies does Colten have now?
- Noah has 14 pencils. During handwriting, 2 were broken. How many pencils does Noah have left?
- Jackie has 2 dimes. She spent 1 dime at the store. How much money does she have left?
- Jakways got to daycare at 7:30. He got up 2 hours before that. What time did Jakways wake up?
- At recess the first graders made \_\_\_\_\_ snow forts. The second grade students destroyed \_\_\_\_\_ of the snow forts. How many did the first graders have left?
- There were 3 shirts hanging on the line. 2 shirts fall off. How many shirts are left on the line?
- There were 9 penguins on the ice. Two swam off. How many are left on the ice?
- Joey had 15 M & M's. He ate 7 of them. How many M & M's does Joey have left?
- Amy has 10 rings. She lost 5 at recess. How many does she have now?
- Kylie had 75 cents when she came to school. She lost 25 cents at recess. How much money does she have now?
- Sam had a dozen green eggs. He dropped 5. How many eggs are still in the carton?
- Madison has 7 bears. She gave Carlita 5 of them. How many does Madison have now?
- Zach had 7 trucks. He gave 3 trucks to Max. How many trucks does Zach have left?
- Elsie had 12 pencils. She gave 7 to Kate. How many pencils does Elsie have left?

## FIRST GRADE

### SEPARATE CHANGE UNKNOWN

1. Abby had 13 cars. She gave some to Hailey. Now she has 5 cars left. How many cars did Abby give to Hailey?
2. Colten's dog had 12 puppies. He gave some of the puppies away. He has 9 puppies left. How many puppies did he give away?
3. 15 children went out for recess. Some children came in early. There were 11 children still out for recess. How many children went in?
4. Jackie has 3 nickels. She spent some money. She has 1 nickel left. How much money did she spend?
5. Julia is at school for 8 hours. She spends some time at recess. She's in the classroom for 6 hours. How many hours is she outside?
6. There were \_\_\_\_\_ snow forts on the playground. The snow plow ran over some. Now there are \_\_\_\_\_ forts left. How many forts did the plows run over?
7. There were 12 articles of clothing on the line. The animals take some for "hats". Now there are 5 things hanging on the line. How many things were taken by animals?
8. There were 8 turtles sitting on a log. Some swam away – there were 5 left. How many swam away?
9. Madison had 11 cookies. She gave some cookies to her friends. Now she has 5 left. How many cookies did she give away?
10. There were 10 children swinging. 7 children stopped swinging. How many were still swinging?
11. Dylan had 19 seashells. He lost some seashells at the beach. Now he has 13 shells. How many did he lose?
12. There are 11 foxes in a box. Sam takes some away. Now he has 5 left. How many foxes did Sam take away?
13. 19 kids were playing on the playground. Some went inside to the bathroom. There were still 8 on the playground. How many kids went in?
14. Holdyn had 15 pencils. He gave some to Ben. Now he has 10 pencils left. How many pencils did Holdyn give to Ben?
15. Elsie had 12 pencils. She gave some to Kate. Now she has 6 left. How many pencils did Elsie give Kate?

## FIRST GRADE

### SEPARATE START UNKNOWN

1. Sierra had some cars. She gave 5 to Reegin. Now she has 6 cars left. How many cars did Sierra have to start with?
2. Colten's dog had some puppies. He gave three puppies away & he has 9 puppies left. How many puppies did Colten's dog have?
3. Leah has some money. She spent \$8.00 on a puzzle. Now she has \$2.00 left. How much money did Leah have to start with?
4. Jackie has some money. She spent 2 dimes. She has 3 dimes left. How much money did she start with?
5. Chyanne has some free time in her day. She spends 8 hours at school. Chyanne has 16 hours left in her day. How much time does she spend at home?
6. The first graders found a pile of snow blocks. They took \_\_\_\_\_ blocks from the pile to make their fort. Now there are \_\_\_\_ blocks left. How many blocks did they start with?
7. There are some animals wearing hats. 3 animals lost theirs. Now 10 animals have hats. How many animals had hats to start with?
8. My dog scared 5 birds off the fence. There were 9 birds left. How many birds were on the fence before my dog came along?
9. Andy had some markers. He gave 9 to Riley. Now he has 4 markers left. How many markers did he start with?
10. Tays had some buttons on his shirt. 2 buttons fell off. Now he only had 9 left. How many buttons did he have to start with?
11. Nina's mom had some cupcakes in the kitchen. Nina ate 3 of them. If there are 21 cupcakes left, how many did she have to start with?
12. Sam cooked some green eggs. He ate 4 eggs. Now he has 3 left. How many green eggs did he start with?
13. Travis had some baseball cards. He gave away 5. He now has 11 cards. How many did he start with?
14. Santana had some stickers. She gave 2 to Madison. Now she has 14 stickers left. How many stickers did Santana have to start with?
15. Elsie had some pencils. She gave Kate 8 pencils. Now she has 4 left. How many did Elsie have to start with?

## FIRST GRADE

### PART-PART-WHOLE – WHOLE UNKNOWN

1. William has 4 red cars and 7 blue cars. How many cars does he have?
2. Jaden has 8 blue kick balls and 7 red kick balls. How many kick balls does Jaden have?
3. There are 12 bags of M & M's and 4 bags of Skittles. How many bags of candy are there?
4. Jackie has 2 pennies and 3 nickels. How many coins does she have? How much money?
5. Josie has 7 pennies and 5 nickels. How much money does she have?
6. The first grade students have \_\_\_\_\_ snowballs. The second grade students have \_\_\_\_\_. How many snowballs did the students make?
7. There are 10 gold coins and 7 silver coins in the crater. How many coins are there in the crater?
8. The fish has 12 shiny scales and 10 dull scales. How many scales does the fish have?
9. Charlie has 5 candy bars and 8 suckers. How many sweet treats does he have?
10. There are 8 boys in the K class. There are 2 girls. How many children are in the class?
11. Gazymne had 13 red dresses and 15 blue dresses. How many dresses does she have?
12. Sam had 5 planes and 7 trains in a tree. How many vehicles are in the tree?
13. There are 9 boys and 8 girls in the classroom. How many students are in the classroom?
14. Sarah has 8 red M & M's and 8 brown M & M's. How many M & M's does she have?
15. Preston had 9 green balls and 5 yellow balls. How many balls does he have?

### PART-PART-WHOLE – PART UNKNOWN

1. Anthony has 17 cars. 9 are red and the rest are blue. How many blue cars does Anthony have?
2. Jaden has 15 kick balls and 8 of them are blue and the rest are red. How many red kick balls does Jaden have?
3. There are 16 bags of candy. 12 bags are M & M's. The rest are Skittles. How many bags of Skittles are there?
4. Jackie had 6 coins. 4 are pennies and the rest are dimes. How many dimes does Jackie have?
5. Loegan has 25 cents in coins. He has 3 nickels and the rest are pennies. How many pennies does Loegan have?
6. All the students have \_\_\_\_\_ snowballs. The first graders have \_\_\_\_\_ snowballs and the second graders have the rest. How many snowballs do the students have?
7. There are 21 visitors to planet \_\_\_\_\_. One rocket has 10 visitors. How many visitors does the other rocket have?

## FIRST GRADE

### PART-PART-WHOLE – PART UNKNOWN (CONT.)

8. There are 12 tree frogs in the pond. Eight of them have orange spots. How many do not have orange spots?
9. There are 25 children in our class. 15 of them are boys. The rest are girls. How many girls are in our class?
10. The P.E. teacher has 11 balls. 3 of the balls are Volleyballs and the rest are basketballs. How many are basketballs?
11. Coddie has 33 friends. 17 of them are girls the rest are boys. How many of Coddie's friends are boys?
12. There 13 vehicles in a tree. 6 of them are trains, the rest are planes. How many are planes?
13. There are 17 students in Miss Schlim's class. 9 are boys and the rest are girls. How many are girls?
14. Tiffany has 13 erasers. 7 are orange and the rest are black. How many black erasers does Tiffany have?
15. Caleb has 16 balls. 8 are red and the rest are orange. How many orange balls does Caleb have?

### COMPARE DIFFERENCE UNKNOWN

1. Samantha has 14 cars. KatLynn has 8 cars. How many more cars does Samantha have than KatLynn?
2. Mrs. DeBow has 17 cupcakes and Mrs. Johnson has 7 cupcakes. How many more cupcakes does Mrs. DeBow have than Mrs. Johnson?
3. Garren has 7 black crayons. Connor has 4 black crayons. How many more crayons does Garren have than Connor?
4. Jackie has 15 cents. Jen has 10 cents. How much more money does Jackie have than Jen?
5. Aspyn sleeps for 9 hours. Micaela sleeps for 13 hours. How many more hours does Micaela sleep than Aspyn?
6. The girls have \_\_\_\_\_ sleds. The boys have \_\_\_\_\_ sleds. How many more sleds do the girls have?
7. The mitten has 12 animals. The umbrella has 10 animals. How many more animals does the mitten have?
8. The owl has 12 colors of feathers. The hawk has 5. How many more colors does the owl have?
9. Wyatt has 14 crackers. Todd has 6 crackers. How many more crackers does Wyatt have than Todd?
10. We have 12 students in our class. 2<sup>nd</sup> grade has 8 students. How many more students do we have than 2<sup>nd</sup> grade?
11. Michele has 21 CD's. Malcolm has 7 CD's. How many more CD's does Michele have than Malcolm?
12. There are 10 cats. There are 6 hats. How many more cats are there than hats?
13. Jonah has 13 Playstations. Henry has 9 Playstations. How many more Playstations does Jonah have than Henry?
14. Emma has 17 rings. Elizabeth has 3 rings. How many more rings does Emma have than Elizabeth?
15. Logan has 21 M & M's. Cecil has 11 M & M's. How many more M & M's does Logan have than Cecil?

## FIRST GRADE

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

1. Tamanca has 4 cars. Abigail has 8 more cars than Tamanca. How many cars does Abigail have?
2. Mrs. Johnson has 7 cupcakes & Mrs. DeBow has 10 more than Mrs. Johnson. How many cupcakes does Mrs. DeBow have?
3. Lane has 10 granola bars. Ali has 3 more granola bars than Lane. How many granola bars does Ali have?
4. Jackie has 25 cents. Jen has 10 cents more than Jackie. How much money does Jen have?
5. Jakways plays basketball for 58 minutes. Micaela plays for 13 minutes more than Jakways. How long does Micaela play basketball?
6. The girls have \_\_\_\_\_ sleds. The boys have \_\_\_\_\_ more sleds than the girls. How many sleds to the boys have?
7. The mitten has 12 animals. The hat has 3 more animals than the mitten. How many animals does the mitten have?
8. The pelican has 4 fish to eat, the crane has 5 more. How many fish does the crane have?
9. TJ has 8 marbles. Sarah has 6 more marbles than TJ. How many marbles does Sarah have?
10. Candace has 6 cats. Moriah has 5 more cats than Candace. How many cats does Moriah have?
11. Sam has 17 baseball cards. Steve has 12 more than Sam. How many baseball cards does Steve have?
12. There are 4 hats. Sam has 6 more cats than hats. How many cats does Sam have?
13. Ellie has 14 dolls. Mesa has 3 more than Ellie. How many dolls does Mesa have?
14. Mesa has 17 dolls. Ellie has 3 less. How many dolls does Ellie have?
15. Hunter has 5 fish. Lucas has 7 more than Hunter. How many fish does Lucas have?
16. Tori has 9 cookies. She has 6 more than Anna. How many Cookies does Anna have?

### COMPARE REFERENT SET UNKNOWN

1. Noah has 15 cars. He has 7 more cars than Jordan. How many cars does Jordan have?
2. Mrs. DeBow has 17 cupcakes. She has 10 more than Mrs. Johnson. How many cupcakes does Mrs. Johnson have?
3. Sakura has 5 Barbies. She has 2 more than Nikenya. How many Barbies does Nikenya have?
4. Jackie has 10 cents. She has 5 more cents than Jen. How much money does Jen have?
5. Josie was in Bismark for 13 hours. She spent 7 more hours in Bismark than Loegan. How many hours did Loegan spend in Bismark?
6. The girls have \_\_\_\_\_ sleds. They have \_\_\_\_\_ more than the boys. How many sleds do the boys have?
7. The mitten has 10 animals. It has 4 fewer animals than the hat. How many animals does the hat have?



## FIRST GRADE

### COMPARE REFERENT SET UNKNOWN (CONT.)

8. There are 7 eggs in a nest by the pond. It has 4 more eggs than the nest in the tree. How many eggs were in the nest by the tree?
9. Amy has 14 stuffed animals. She has 5 more animals than Lauren. How many stuffed animals does Lauren have?
10. Sue has 9 ribbons for her hair. She has 2 more ribbons than Kim. How many ribbons does Kim have?
11. Alicia has read 27 books. She has read 12 more than Josh. How many books has Josh read?
12. Sam has 10 cats. He has 4 less hats. How many hats does he have?
13. Hanna has 6 brothers. She has 2 more than Cade. How many brothers does Cade have?
14. Cade has 4 brothers. He has 2 less than Hanna. How many does Hanna have?
15. Mia has 12 dolls. She has 3 more dolls than Callie. How many dolls does Callie have?
16. Callie has 9 dolls. She has 3 less dolls than Mia. How many dolls does Mia have?
17. Taylor has 17 cars. He has 9 more than Jordan. How many marbles does Jordan have?

## SECOND GRADE

### JOIN RESULT UNKNOWN

1. Austin had 12 dinosaurs. Nicky gave him 7 more dinosaurs. How many dinosaurs does Austin have altogether?
2. Alyssa has 15 markers. She was given 8 more markers. How many markers does Alyssa have now?
3. John has 12 cups. He wants to get 3 more cups. How many cups would he have then?
4. There were 23 penguins on the beach. 27 penguins joined them on the beach. How many penguins were on the beach?
5. Lucy played for 6 minutes. She could play for 7 more minutes before going home. How many minutes did Lucy Play?
6. There are 5 astronauts living on the space station. 7 more arrive on the Challenger. How many astronauts are living on the space station now?
7. Ben has 9 Nintendo games. His friend Jimmy brings 8 of his games. How many games do they have to choose from?
8. Hannah has 5 bracelets. She wants to buy 8 more. How many bracelets will Hannah have then?
9. Keelan has 12 snowballs. Jordan gave him 12 more snowballs. How many snowballs does Keelan have altogether?
10. Daman has 8 stegosaurus dinosaurs. She gets 5 more. How many does she have now?
11. Mrs. Popper has 7 cans of shrimp. She wants to buy 7 more cans. How many cans of shrimp would Mrs. Popper have then?
12. There were \_\_\_\_\_ pigs in the pen and \_\_\_\_\_ pigs in the barn. How many pigs did Farmer Jake have?
13. Beth has 8 T-Rex and she gets 5 more for her birthday. How many T-Rex does she have now?
14. Jacky penguin had \_\_\_\_\_ fish popsicles. He bought \_\_\_\_\_ more. How many popsicles does he have?
15. Karlee wrote 17 stories at school and wrote 15 more stories at home. How many stories did Karlee write?

### JOIN CHANGE UNKNOWN

1. Austin has 12 dinosaurs. How many more dinosaurs does he need to have 19 dinosaurs?
2. Raiven has 12 books. He buys some more. Now he has 21. How many more did he buy?
3. John has 15 cups. How many more cups does he need in order to have 20 cups?
4. 40 penguins were in the water. Some more jumped in. Now there are 73 penguins in the water. How many penguins jumped in the water?
5. Kaylee went to daycare for 15 minutes. How many more minutes does Kaylee need to be at daycare for 35 minutes?

## SECOND GRADE

### JOIN CHANGE UNKNOWN (CONT.)

6. The astronauts have 11 bags of waste on the space station. After the Challenger leaves, they have 3 bags left. How many bags did The Challenger take back to earth?
7. Suzy has 11 bracelets. How many more does she need to buy to have 20?
8. Jacob has 9 video games in his collection. How many more does he have to buy to have 14 games?
9. Will has 10 snowballs. How many more snowballs does he need to have 25 snowballs altogether?
10. Daman has 7 T-Rexs. How many more does she need to get to have 11 T-Rexs?
11. Captain Cook has 9 pebbles in the rookery. How many more pebbles does he need to have 12 pebbles?
12. Farmer Jake planted \_\_\_\_\_ acres of corn and he also planted some beans. Altogether he planted \_\_\_\_\_ acres. How many acres of beans did he plant?
13. Beth has 7 dinosaur eggs in a nest. How many more eggs does she need to have 11 in her nest?
14. Tyler threw 9 pitches in the 3<sup>rd</sup> inning. How many would he throw to reach his 18 pitch limit?
15. Jacky had 5 ice cubes in his freezer. How many more will he have to find to have 9 ice cubes?
16. Erika has 14 dolls. How many more does she have to buy to have 25 dolls?

### JOIN START UNKNOWN

1. Austin had some dinosaurs. Nicky gave him 7 more. Now he has 19 dinosaurs. How many dinosaurs did Austin have to start with?
2. Katy M has some stuffed animals. She was given 3 more for Christmas. Now she has 18. How many stuffed animals did she start with?
3. John has some cups. He wants to get 7 more cups so he will have 15 cups. How many cups did he have to start with?
4. Some penguins were in the zoo. The zookeeper put 7 more penguins in the zoo. Now there are 15 penguins in the zoo. How many penguins were in the zoo to start?
5. Moddee went to the store with her mom. She spent 15 minutes riding in the car. She spent 25 minutes with her mom all day. How long did Moddee spend at the store?
6. 6 astronauts arrive at the space station. Now there are 15 living at the space station. How many were there before?
7. Jared has some Pokemon cards. He buys 18 more. Now he has 39. How many did he have to start with?
8. There are some stuffed animals. Kayla bought 4 to add to her collection. Now she has 11. How many did she have to start with?
9. Ellen has some snowballs. Shali gave her 10 more snowballs. Now Ellen has 35 snowballs. How many snowballs did Ellen have to start with?

## SECOND GRADE

### JOIN START UNKNOWN (CONT.)

10. Daman has some dino eggs. She buys 7 and now has 11 dino eggs. How many eggs did she start with?
11. Mrs. Popper has some cans of beans. She buys 8 and now she has 12. How many did she have to start with?
12. In the morning Farmer Jake milked some cows. In the afternoon he milked \_\_\_\_\_ more cows. When he was finished he had milked \_\_\_\_\_ cows. How many did he milk in the morning?
13. Beth has some dinosaurs. She buys 7 and now has 11 dinosaurs. How many dinosaurs did Beth start with?
14. The Dodgers have a lot of players they draft 8 and now have 36. How many did they start with?
15. Jacky saw some whales swimming. He saw 12 today, making 19 in all. How many did he see yesterday?
16. Adam has some football cards. He got 20 more for his birthday. Now he has 42. How many football cards did Adam have to start with?

### SEPARATE RESULT UNKNOWN

1. Bret had 23 markers. She gave 7 to Esther. How many markers does Bret have left?
2. Logan has 16 oranges. He ate 5 of them. How many oranges does he have now?
3. Stacey had 16 puppies. She sold seven of them. How many puppies does she have left?
4. There were 53 eggs waiting to hatch. 23 eggs hatched. How many eggs are still waiting to hatch?
5. Austin has 15 minutes to play outside at recess. He took 5 minutes to put his coat on. How much time does Austin get to play outside?
6. 16 astronauts are working at the space station. 7 of them go back to earth on the Challenger. How many astronauts are still on the space station?
7. Jose has 24 rocks in his pocket. He loses 12 of them. How many rocks are left in his pocket?
8. Sammie had 14 gumballs. During the day, he chewed 5 of them. How many gumballs did Sammie have left?
9. Cole had 37 snowballs. He gave 5 to Connor. How many snowballs does Connor have left?
10. Zach had 13 dino bones. The dog eats 5 of them. How many does he have left?
11. Gretta had 13 shrimp. At lunch she ate 5 of them. How many shrimp did Gretta have left?
12. Jake's wife, Betty, made \_\_\_\_\_ pies. She took \_\_\_\_\_ of them to the neighbor's place. How many pies are left at home?
13. Beth had 13 T-Rex bones. Her dog ate 5 of them. How many bones did Beth have left?
14. The Reds played 12 games this year. They lost 5. How many did they win?
15. Jacky found \_\_\_\_\_ icicles. \_\_\_\_\_ melted. How many did he have left?
16. Josh had 36 beads to make a key chain. He used 27 on his key chain. How many beads does ha have left?

## SECOND GRADE

### SEPARATE CHANGE UNKNOWN

1. Bret had 23 markers she gave some to Esther. Now she has 16 markers left. How many markers did Bret give to Esther?
2. Christian has 92 John Deere pieces. He sold some on eBay. Now he has 40. How many did he sell?
3. 17 puppies were in the back yard. Some puppies got out. There were 8 puppies still in the back yard. How many got out?
4. 40 penguins were in the water. Some jumped out. Now there are 20 penguins in the water. How many jumped out?
5. Cynthia has 30 minutes to spend with her horse. She took some time to get ready. Now she has 20 minutes to spend with her horse. How much time did it take her to get ready?
6. 11 astronauts are working in Leonardo. Some of them go into Intrepid. 3 are left in Leonardo. How many went into Intrepid?
7. 15 kids were playing football. Some children left the game. Now 3 kids are playing. How many children left the game?
8. 14 children were painting a mural. Some children went out for recess. There were 11 children still painting. How many went out for recess?
9. Garret has 20 snowballs. He gave some to Brooklyn. Now he has 15 snowballs left. How many snowballs did Garret give Brooklyn?
10. 11 dino eggs were in a nest. You broke some. There are 3 eggs left in the nest. How many eggs are left in the nest?
11. 17 penguins were playing in the water. Some went home. There were 8 penguins still playing in the water. How many penguins went home?
12. \_\_\_\_\_ ducklings were walking with their mother. Some wandered off. \_\_\_\_\_ were still with their mother. How many wandered off?
13. 11 dinosaurs were eating. Some went home. There were 3 dinosaurs still eating. How many dinosaurs went home?
14. 19 games were scheduled during June some were rained out. They ended up with 16 games. How many were rained out?
15. Jacky saw \_\_\_\_\_ leopard seals warming in the sun. Some of them slipped back in the water. There were \_\_\_\_\_ left warming up. How many slipped away?
16. Ethan brought 36 cookies to school for treats. He gave some to his friends. Now he has 4 left. How many cookies did Ethan give to his friends?

## SECOND GRADE

### SEPARATE START UNKNOWN

1. Bret had some markers. She gave 7 to Esther. Now she has 16 markers. How many markers did Bret have to start with?
2. Bailey received some points at the wrestling match. Then he gained 8 more points. He now has a total of 15 points. How many points did he have at first?
3. The neighbor had some puppies. He sold 8 of them. Now he has 11 puppies left. How many puppies did he start with?
4. The zoo had some penguins. They gave 12 penguins to a new zoo. Now they have 12 penguins. How many did they have to start with?
5. Erin had some time. She read for 20 minutes. Now she has 30 minutes left. How much time did Erin start with?
6. There are some astronauts on Zareo. 3 astronauts left Zareo. 7 astronauts are still working there. How many were there before?
7. Max had some M & M's. He ate 15 of them and has 12 left. How many M & M's did Max have to start with?
8. Dakota had some money. He spent \$29.00 on a video game. Now he has \$6.00 left. How much money did Dakota have to start with?
9. Penny has some snowballs. She gave 15 to her friend. Now she has 50 snowballs left. How many snowballs did Penny have to start with?
10. Daman had some dinos in her collections. He brother took 9 of them. Now she has 7 left. How many dinos did she start with?
11. Mrs. Popper had some money. She spent \$9 on shrimp. Now she has \$4 left. How much money did Mrs. P. have to start with?
12. There were many pigs laying in the mud. \_\_\_\_\_ got up and went into the barn. \_\_\_\_\_ were still in the mud. How many were in the mud to start with?
13. Beth had some money. She spent \$9 on a T-Rex. Now, she has \$7 left. How much money did Beth have to start with?
14. There were a bunch of bats in the dugout. 7 fell over and 9 were left standing. How many bats were there?
15. Jacky found some fish. He ate 15 pounds of fish and has 5 pounds of fish left. How many pounds did Jacky have to start with?
16. Anthony had some stickers. He gave 15 of them to Seth. Now he has 20 left. How many stickers did Anthony have to start with?

## SECOND GRADE

### PART-PART-WHOLE – WHOLE UNKNOWN

1. Courtney has 15 fiction books and 7 non-fiction books. How many books does she have?
2. We have 12 kids with words on their T-shirts. We have 5 kids that don't have words on their T-shirts. How many shirts have words and no words on them?
3. There are 13 jelly beans and 12 candy corns. How many pieces of candy are there?
4. There were 40 king penguins on the beach and 50 chinstrap penguins on the beach. How many penguins were on the beach?
5. It took Joleen 25 seconds on Monday and 24 seconds on Tuesday for her math test. How many seconds did she spend on her math tests?
6. There are 14 astronauts on Intrepid and 8 in Leonardo. How many astronauts are on the space station?
7. There are some balls on the gym floor. 15 of them are red. 22 of them are green. How many balls are on the gym floor?
8. There are 14 boys and 13 girls in the classroom. How many students are in the classroom?
9. Jordan has 38 large snowballs and 19 small snowballs. How many snowballs does he have?
10. There were 15 T-Rex dinos and 15 steps. Dino in the valley. How many dinosaurs are in the valley?
11. There are 16 macaroni penguins & 31 emperor penguins on a block of ice. How many penguins are there all together?
12. There are \_\_\_\_\_ tulips and \_\_\_\_\_ daisies in Betty's garden. How many flowers are in the garden?
13. There are 16 T-Rex and 31 stegasaurus in the valley. How many dinosaurs are in the valley?
14. There were 4 teams in the North Division and 5 in the South Division. How many were in the league?
15. There were 29 blue whales and 18 orca whales in the ocean. How many whales were in the ocean?
16. Sawyer has 48 Steelers cards and 16 Vikings cards. How many football cards does Sawyer have?

### PART-PART-WHOLE – PART UNKNOWN

1. Tristan has 22 books. 15 are fiction and the rest are non-fiction. How many non-fiction books does Tristan have?
2. There are 21 kids in class. Seven kids have hair holders. The rest do not. How many do not have ponytail holders?
3. There are 25 pieces of candy. 12 of them are red hots. The rest are lemon drops. How many are lemon drops?
4. 17 penguins were at the South Pole. 9 are king penguins and the rest are chinstrap. How many chinstrap penguins are at the South Pole?
5. Tonya has 30 minutes to do whatever she wanted. She played catch for 12 minutes. How much time did she listen to music?

## SECOND GRADE

### PART-PART-WHOLE – PART UNKNOWN (CONT.)

6. There are 17 astronauts at the space station. 5 are assigned to Leonardo and the rest are in Intrepid. How many astronauts are in Intrepid?
7. There are 35 kids in the lunch line. 18 of them are boys. The rest are girls. How many girls are in the line?
8. 21 children are playing tetherball. 12 are girls. The rest are boys. How many are boys?
9. Keelan has 25 mittens. 12 are for the left hand and the rest are for the right hand. How many right handed mittens does Keelan have?
10. There were 30 dinosaurs. 15 are T-Rexs. The rest are stegosaurus. How many steg dinos are there?
11. There are 47 penguins on a block of ice. 31 are emperor penguins. How many are macaroni penguins?
12. Jake has \_\_\_\_\_ nails in his toolbox. \_\_\_\_\_ are long and some are short. How many are short?
13. There are 47 dinosaurs in the valley. 31 are T-Rex. The rest are stegosaurus. How many are stegosaurus?
14. There were 33 balls. 14 were new balls. How many are used balls?
15. There are 47 whales in the ocean. 29 were blue whales. How many were orca whales?
16. Devin has 27 toy cars. 12 are red and the rest are green. How many green toy cars does Devin have?

### COMPARE DIFFERENCE UNKNOWN

1. Shelby has 17 CD's. Asia has 12 CD's. How many more CD's does Shelby have than Asia?
2. Aspen has 11 ponytail holders. Bricee has 8 ponytail holders. How many fewer ponytail holders does Bricee have than Aspen?
3. Jeremy started reading his book at 9:12. He finished at 9:19. How many minutes did he read? (this was one of the questions on the sticky note that Marcia added)
4. Joel started the paper route at 7:05. He worked for 25 minutes. When did he finish? (this was one of the questions on the sticky note that Marcia added)
5. Jacob read for 15 minutes. He finished at 3:40. When did he start? (this was one of the questions on the sticky note that Marcia added)
6. Four kids wear glasses. 17 kids do not wear glasses. How many more kids do not wear glasses than do?
7. Jacob has 18 rocks. Laura has 7 rocks. How many more rocks does Jacob have than Laura?
8. The king penguins have 13 eggs. The chinstrap penguins have 5 eggs. How many more eggs do the king penguins have?
9. Hannah read for 35 minutes. Cody read for 20 minutes. How many more minutes did Hannah read than Cody?
10. The Leonardo team has 15 astronauts. The Intrepid team has 7 astronauts. How many more astronauts are on the Leonardo team?



## SECOND GRADE

### COMPARE DIFFERENCE UNKNOWN (CONT.)

11. Mohammed has 22 shells. Kendra has 17 shells. How many more shells does Mohammed have than Kendra?
12. Payton has 12 markers. Tessa has 7 markers. How many more markers does Payton have than Tessa?
13. Will has 35 mittens. Shali has 25 mittens. How many more mittens does Will have than Shali?
14. Carolyn has 15 dino. Kathryn has 5. How many more dino. does Carolyn have than Kathryn?
15. \_\_\_\_\_ has 12 fish. \_\_\_\_\_ has 7 fish. How many more fish does \_\_\_\_\_ have than \_\_\_\_\_?
16. Jake picked \_\_\_\_\_ ears of corn and \_\_\_\_\_ carrots. How many more carrots did he pick?
17. Beth has 12 dinosaurs. Suzy has 7 dinosaurs. How many more dinosaurs does Beth have than Suzy?
18. There are 13 kids on the team. 4 are girls. How many are boys?
19. Jacky has 18 hats. Tracy had 15. How many more hats does Jacky have than Tracy?
20. Reanna has 53 box tops. Autumn has 27 box tops. How many more box tops does Reanna have than Autumn?

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

1. Asia has 12 CD's. Shelby has 5 more than Asia. How many CD's does Shelby have?
2. Eight kids wore tennis shoes. There were 5 more kids not wearing tennis shoes than wearing tennis shoes. How many kids were not wearing tennis shoes?
3. Jacob has 18 rocks. Laura has 7 less than Jacob. How many rocks does Laura have?
4. The king penguins have 7 eggs. The chinstrap penguins have 8 more eggs than the king penguins. How many eggs do the chinstrap penguins have?
5. Zeb played football for 15 minutes. Layne played football 10 more minutes than Zeb. How many minutes did Layne play football?
6. Leonardo's astronauts have 12 food packs. Intrepid astronauts have 6 more than Leonardo. How many food packs does the Intrepid have?
7. Kailyn has 19 Bratz dolls. Shannon has 7 more than Kailyn. How many dolls does Shannon have?
8. Arijeta has 6 pencils. Isiah has 5 more pencils than Arijeta. How many pencils does Isiah have?
9. Ellen has 50 mittens. She has 20 more mittens than Cole. How many mittens does Cole have?
10. Leander has 10 T-Rex dinosaurs. Caleb has 5 more than Leander. How many dinosaurs does Caleb have?
11. Caleb has 12 dinosaurs. Leander has dinos too. He has 3 fewer dinosaurs than Caleb. How many dinosaurs does Leander have?
12. \_\_\_\_\_ has 8 fish. \_\_\_\_\_ has 7 more fish than \_\_\_\_\_. How many fish does \_\_\_\_\_ have?

## SECOND GRADE

### COMPARE QUANTITY (COMPARED SET) UNKNOWN (CONT.)

13. Betty found \_\_\_\_\_ applies on the ground. She found \_\_\_\_\_ more cherries than apples. How many cherries did Betty find?
14. Beth has 7 dinosaurs. Suzy has 5 more dinosaurs than Beth. How many dinosaurs does Suzy have?
15. Dylan had 9 hits, Tyler had 4 more hits. How many did Tyler have?
16. Jacky has 18 hats. Tracy has 3 fewer. How many hats does Tracy have?
17. John has 17 CDs. Tom has 13 more than John. How many CDs does Tom have?

### COMPARE REFERENT SET UNKNOWN

1. Shelby has 17 CD's. She has 5 more than Asia. How many CD's does Asia have?
2. Eight kids wore tennis shoes. There were 5 less tennis shoe wearers than those not wearing tennis shoes. How many were not wearing tennis shoes?
3. Jacob has 18 rocks. He has 11 more than Laura. How many rocks does Laura have?
4. The king penguins have 9 eggs. They have 6 more eggs than the chinstrap penguins. How many eggs do the chinstrap penguins have?
5. Kourtney played outside for 25 minutes. She played 15 minutes longer than DeAnne. How long did DeAnne play outside?
6. Leonardo has 14 tasks to complete at their station. They have 5 more tasks than Intrepid. How many tasks does the Intrepid have?
7. Joey has a toy car that is 16 cm. long. His is 8 cm. longer than Caleb's. How long is Caleb's car?
8. Emily has 12 books about horses. She has more than Dzenan. How many books does Dzenan have?
9. Connor has 40 mittens. He has 15 more mittens than Garret. How many mittens does Garret have?
10. Samuel has 15 dinosaurs. He has 8 more than Brianna. How many dinosaurs does Brianna have?
11. Brianna has 8 dinosaurs. She has 5 fewer than Caleb. How many does Caleb have?
12. Gretta has 16 fish. She has 7 more than Captain Cook. How many fish does he have?
13. Jake has \_\_\_\_\_ goats. He has \_\_\_\_\_ fewer than Bob. How many does Bob have?
14. Beth has 12 dinosaurs. She has 5 more than Suzy. How many dinosaurs does Suzy have?
15. Keck has 3 hats. He has 1 more than Jon. How many does Jon have?
16. Tracy has 15 hats. She has 3 less than Jacky. How many hats does Jacky have?
17. Sue has 51 books. She has 16 more books than Rhonda. How many books does Rhonda have?

## THIRD GRADE

### JOIN RESULT UNKNOWN

1. Tiffany has a set of gel pens with 142 colors. Keira gave her a set of gel pens with 175 colors. How many gel pens does Tiffany have all together?
2. Jordan has 17 Yugi-oh cards. Devon gave him 12 more. How many Yugi-oh cards does Jordan have?
3. Logan scored 512 points. Jessica scored 249 points. How many points did they score all together?
4. 567 students are on vacation from one school. 258 students are on vacation from another school. How many students are on vacation?
5. Zach had 16 buckets. He put 6 fish in each bucket. How many fish does he have now?
6. Mary gave 7 boxes with 5 cookies in each box to Laura. How many cookies did Laura get?
7. Kevin has 12 cars. He wants to buy 5 more cars. How many cars would Kevin have?
8. Molly had 305 ants in her ant farm. She got 67 more. How many does she have now?
9. Alexia had 15 books. The librarian gave her 23 more books. How many books does she have now?
10. Amos received 85 pieces of candy for Halloween. His sister gave him 24 pieces she didn't like. How many pieces of candy does Amos have altogether?
11. Jake has 243 baseball cards. He gets 128 more for his birthday. How many does he have now?
12. Hailey collected 84 canned goods. Grace collected 104 cans. How many do the two girls have together?
13. Selena read 1200 minutes in February and 1800 minutes in March. How many minutes did she read in those two months?
14. The school bought six boxes of markers. Each box had 8 markers. How many markers are there all together?
15. Vanessa has 17 My Pretty Ponies. She wants to buy 4 more ponies. How many My Pretty Ponies will Vanessa have then?
16. Bridget bought 10 bracelets at Claire's last week. Her Aunt Jenny bought her 12 bracelets over the weekend. How many new bracelets does she have?
17. Puzzled Penguin has 1 friend. He wants us to learn about his other 6 friends. How many friends would Puzzled Penguin tell us about then?
18. Tacky decided to go sledding with his friends. He took \_\_\_\_\_ friends with him in the morning. \_\_\_\_\_ more friends joined them after lunch. How many friends were playing with Tacky after lunch?
19. Team A scored 14 points and Team B scored 20 points. How many points were scored in all?
20. Halmoni went on a picnic. She packed 13 jacks. Later she packed 48 more jacks. How many jacks did she pack?
21. Matthew had 26 matchbox cars. He wants to buy 6 more matchbox cars. How many cars will Matthew have?
22. Amy has 284 rocks in her collection. She wants to buy 56 more. How many rocks would Amy have then?

## THIRD GRADE

### JOIN CHANGE UNKNOWN

1. Garet has \$6.87. He wants to buy something that costs \$10.00. How much more money does he need to have \$10.00?
2. Jordan has 12 Yugi-oh cards. How many more does he need to have 52 cards?
3. Alex has 60 pennies. Her father gave her some more pennies. Now she has 94 pennies. How many pennies did her father give her?
4. Carter has 56 DVDs in his collection. How many more does he need to buy to have 80 DVDs?
5. There were 4 students in the classroom. They were each given some pieces of candy. They have a total of 32 pieces. How many does each student have?
6. John has 37 dogs. How many more dogs does he need to get to 100 dogs?
7. Kevin has 26 cars in his Matel collection. How many more cars does he have to buy to have 38 cars?
8. Henry had 192 pairs of jeans at last count. When he counted them today, he had 367. How many pairs of jeans did he get since last count?
9. Karla has 15 books. How many more books does she need to have 30 books altogether?
10. Tyler has 112 baseball cards in his collection. How many more cards will he need to collect to have 170 cards altogether?
11. Jake has 243 baseball cards. He gets some fore for his birthday. Now he has 371 cards. How many did he get?
12. Andrew has practiced math facts for 260 minutes this month. His goal is to practice for 5 hours. How many more minutes does he need to practice?
13. Dylan scored 22 points in his first basketball game. How many points does he need to score to have 56 points total?
14. The school has 6 boxes of markers. There were 48 markers. How many markers were in each box?
15. Grace received 5 My Pretty Ponies for her birthday. How many more does she need to buy to have 12 ponies?
16. Bridget found 12 dollar bills on her dresser. She knew she had 26 on her dresser yesterday. How many are missing?
17. Tacky has 5 bow ties in his collection. How many more bow ties will he need to have 12 bow ties in his collection?
18. Tacky caught \_\_\_\_\_ fish in the morning. He caught some more fish in the afternoon. Altogether Tacky caught \_\_\_\_\_ fish.
19. Team A has 21 points. How many more points do they need to tie Team B. B has 28 points.
20. Yunni brought 18 blankets for the picnic. How many more does she have to bring to have 29 blankets?
21. Damaris has 26 Polly Pockets in her collection. How many more does she need to buy to have 33?
22. Amy has 351 stickers in a box. How many more will she have to buy to have 400?

## THIRD GRADE

### JOIN START UNKNOWN

1. Wyatt has some football trading cards. He got a box that had 250 cards. Now he has 6,480 cards. How many did he start with?
2. Jordan has some Yugi-oh cards. Devon gave Kim 28 cards at recess. Now he has 54 cards. How many cards did Jordan start with?
3. Lisa had some money. Her dad gave her 2 dimes. She now has 70 cents. How much money did she start with?
4. Jaden had some baseball cards. He got 300 more for Christmas. Now Joseph has 2000 baseball cards in his collection. How many cards did he have to start with?
5. Hannah has some dolls. She received 3 dresses for each doll. She now has 18 dresses. How many dolls does she have?
6. Jerry has some pennies. He gave 3,296 pennies to his friend. Now he has 5,100 pennies left. How many pennies did Jerry start with?
7. Allison has some chocolate Kisses. Her mom gave her 26 more. Now she has 48 chocolate Kisses. How many chocolate Kisses did she start with?
8. Oliver bought some movies for a total of \$137.00. He had \$102.00 in change. How much money did he start with?
9. Kira had some books. Ashley gave her 21 more books. Now she has 45 books. How many did Kira have to start with?
10. Caitlyn saw some birds flying south. Her brother saw 37 birds. Together they saw 114 birds. How many birds did Caitlyn see?
11. Jake had some baseball cards. He got 128 more for his birthday. Now he has 371 cards. How many did he start with?
12. Andrew read some minutes last week for his reading goal. Today he read 45 minutes and now has read a total of 325 minutes. How many had Andrew read before yesterday?
13. Blake has some video games. He bought 15 more. Now he has 28 video games. How many games did he start with?
14. The school had some boxes of markers. There were 8 in each box. There are 48 markers. How many boxes of markers did the school have?
15. Yesterday, Wynter found 9 My Pretty Ponies under her bed and put them on her shelf. Now there are 17 ponies on the shelf. How many did she have on the shelf to start with?
16. Bridget had some Bratz dolls. She told her friends to bring their Bratz dolls when they came to play. They brought 9 dolls. Now they had 17 dolls to play with. How many did Bridget start with?

## THIRD GRADE

### JOIN START UNKNOWN (CONT.)

17. Tacky has some life jackets for his friends who don't know how to swim very well. He bought 7 more and now he has 10. How many did Tacky have before he bought more?
18. Tacky ate some krill. Then he ate \_\_\_\_\_ more. When he was finished he had eaten \_\_\_\_\_ krill. How many krill did Tacky eat?
19. You miss the first part of the game. Team A has just scored a field goal and now has 10 points. How many points did they score before you started to watch the game?
20. Sara has some fruit cups. She makes 15 more and now has 32. How many did she start with?
21. Christina had some books under her bed. She put 18 more books there. Now she has 64 under there. How many did Christina have to begin with?
22. Amy has some trolls. She bought 38 more. Now she has 62. How many did she have to begin with?

## THIRD GRADE

### SEPARATE RESULT UNKNOWN

1. Keira had 35 dandelions. She had to throw away 28 of them. How many does she have left?
2. John has 27 toy cars. He gave Noah 9 of those cars. How many toy cars does John have left?
3. Fifty three children were in the classroom. Twenty eight children went outside to play. How many children are in the classroom now?
4. Joseph had \$50.00. He bought a tractor for \$23.99. How much money does he have left?
5. Ethan had 36 horse shoes. He put 4 shoes on each horse. How many horses did he shoe?
6. Mary has 396 Minnesota Vikings trading cards. She gives 93 to her friend. How many does she have left?
7. Westin had 46 books in his desk. At Christmas break, he read 19 books. How many books does Westin have left to read?
8. Jim saved 91 box tops for school. He gave 63 to his teacher. How many does he have left?
9. Tyler had 72 baseball cards. He gave 17 to Bill. How many cards does Tyler have left?
10. Mr. S. had 132 jump ropes for gym class. He threw away 13 that had been broken. How many jump ropes does Mr. S. have left?
11. Samantha had 420 stamps. She gave 78 to a friend. How many stamps does she have now?
12. There are 346 kids at Mark Twain. On Tuesday, 91 kids were absent. How many kids were at school Tuesday?
13. Chris caught 28 fish. He gave 21 to his grandpa. How many fish did he bring home?
14. The school has 42 markers. There were 7 classes. How many did each class get?
15. Bridgit had 27 M.P.P. She did not play with any more. She gave Wynter 16 of them. How many did Bridgit keep?
16. Bridget baked 36 chocolate chip cookies. 27 of them turned out perfectly shaped and golden brown. The rest were burnt and she had to throw them away. How many did she throw away?
17. Tacky spies 10 hunters. By the end of the day, he has scared 5 of them away. How many hunters does Tacky have left to scare away?
18. Chilly Willy made \_\_\_\_\_ cupcakes for Tacky's birthday. \_\_\_\_\_ of them were eaten by seagulls. How many cupcakes did Chilly Willy bring to Tacky's party?
19. Team B has 24 points. Team A has 21 points. How many points does Team A need to tie the game?
20. Miss teacher brought 72 pieces of silverware. During clean up, they lost 18 pieces of the silverware. How many pieces did they have left then?
21. Jonas had 36 turkey nuggets. He ate 7 before dinner time. How many does Jonas have left for dinner?
22. Amy had 45 pencils. She gave away 18 of them. How many does she have left?

## THIRD GRADE

### SEPARATE CHANGE UNKNOWN

1. Justin has 4,765 points on Book Adventure. He got a prize and now he has 3,265 points. How many points was the prize?
2. John had 34 toy cars. He gave some to Noah. Now John has 13 cars left. How many cars did John give to Noah?
3. There were 28 boys on the bus. Some got off for the ball game. Now there are 9 boys on the bus. How many got off for the ball game?
4. 73 children were playing in the park. Some went home. There were still 39 children in the park. How many children went home?
5. Kasi had 56 marbles. She shared them with herself and her 7 friends. How many marbles does each person get?
6. Mark had 6,296 parts for his snowmobile. He sold some on E-Bay. Now he has 5,866 parts. How many did he sell?
7. 46 children were playing soccer at recess. Some went to lunch. There were 38 still playing soccer. How many children went to lunch?
8. Slim had 36 peanut M & M's on his desk when he left for the bathroom. When he came back there were only 12 on his desk. How many got eaten while he was gone?
9. Mary had 16 dolls. She gave some to Karin. Now she has 5 dolls left. How many dolls did she give to Karin?
10. Mr. V. has 262 markers in the art room. He threw some away that were dried out. Now he has 196 left. How many markers did he throw away?
11. Samantha had 420 stamps. She gave some to a friend. Now she has 342. How many did she give to her friend?
12. 293 kids were at school Monday morning. Some kids went home sick during the day. At the end of the day there were 242 kids. How many went home?
13. 128 students were at the pool. Some left to play basketball. There are 56 students still in the pool. How many children are playing basketball?
14. The school has 27 markers. They gave some to each class. Each class has 9 markers. How many classes received markers?
15. 13 girls were playing w/their My Pretty Ponies Some of the girls left for a 4H meeting. There were 6 still playing. How many went to 4H?
16. 12 girls were on the BB team. Some were out with injuries. Now they only had 8 girls on the team. How many girls were injured?
17. 12 penguins were diving off the iceberg. Some of them went home. There were 3 penguins still diving off the iceberg. How many penguins went home?
18. There were \_\_\_\_\_ rocks for the penguins to make nests. Tacky took some of them. When he was done, there were still \_\_\_\_\_ rocks left. How many rocks did Tacky take for his nest?



## THIRD GRADE

### SEPARATE CHANGE UNKNOWN (CONT.)

19. Team A is on the 42 yard line, but has earned a penalty and is now on the 22 yard line. How many yards was the penalty?
20. 42 of the kids went to play tag. Some of the kids quit. There were still 17 kids playing. How many quit the game?
21. 15 students were playing Kick the Can. Some of the students came in for drinks. There were 11 students still playing. How many students came in for drinks?
22. 62 students went to the park. Some went home. There were 47 children still at the park. How many went home?

### SEPARATE START UNKNOWN

1. Sierra had some lip gloss. She lost 13 of her flavors of lip gloss. Now she has 39 flavors of lip gloss. How many did she start with?
2. John has some toy cars. He gave Noah 13 cars. John has 28 cars left. How many cars did John have to start with?
3. Hayden had marbles. He lost 37 of them on his way home. He now has 12 marbles. How many did he start with?
4. Johnny had some candy. He shared 16 pieces with a friend. Now he has 31 pieces left. How many pieces of candy did he have to start with?
5. There are some children on the playground. The teacher on duty put them into 2 teams. Now there are 8 children on each team. How many children are on the playground?
6. Kristen has some shoes. She gave 7 pairs to Mary. Now she has 4 pairs. How many individual shoes did she have to start with?
7. Peter had some money. He spent \$16.00 on pizza & pop. Now he has \$7.00 left. How much money did Peter have to start with?
8. Mitz had a 16 oz. orange soda. There is 92 oz. all together. How much of it was root beer?
9. Bob drew some pictures. He gave 24 to Terry. Now he has 8 pictures left. How many did Bob draw?
10. Mrs. Eeten has some books in her room. She gave 152 to the book room. Now she has 112 books left. How many books did she have to start with?
11. Samantha had some stamps. She gave 78 to a friend. Now she has 342. How many did she have to start with?
12. Dan had some money. He bought a movie for \$16.50 and spent \$6.50 on candy. Now he has \$4.75 left. How much money did Dan start with?
13. Ashley was having a skating party with friends. 6 left early. Now 8 friends are still skating. How many friends were there when the party started?
14. Connie has some boxes of cookies. There are 5 in each box. Now she has 20 cookies. How many boxes did she have?

## THIRD GRADE

### SEPARATE START UNKNOWN (CONT.)

15. Wynter had some money. She spent \$19 on a My Pretty Pony. Now she has \$7. How much money did Wynter have to start with?
16. Bridget had a bunch of gumballs. She shared 14 pieces at the wrestling match. Now she has 30 pieces left. How many gumballs did she start with?
17. Puzzled Penguin had some invitations to his birthday party. He mailed 9 of them out to his friend that lived far away. Now he has 7 left to hand out to his friends that live on the iceberg close by. How many invitations did Puzzled Penguin have to start with?
18. The penguins had many eggs. Seagulls ate \_\_\_\_\_ of them. But there were still \_\_\_\_\_ eggs left. How many eggs did the penguins start with?
19. Team A has some points. They scored 14 more points and now have 32 points. How many points did Team A start with?
20. Halmoni had some cherries to share at the picnic. She gave 34 cherries to the kids. Now she has 47 left. How many did she start with?
21. George had some money. He spent \$40 on a computer game. Now he has \$13 left. How much money did George have to start with?
22. Amy had some money? She spent \$19 on a necklace. Now she has \$82 left. How much money did Amy have to start with?

### PART-PART-WHOLE – WHOLE UNKNOWN

1. New Underwood Elementary has 84 students and New Underwood High School has 97 students. How many students are at New Underwood School all together?
2. Jill has 18 green pencils and 37 purple pencils. How many pencils does Jill have?
3. There are 51 red balloons and 12 blue balloons. How many total balloons are there?
4. Ethan school has 76 female students and 97 male students in grades K-12. How many students does Ethan school have?
5. Tyson has 7 cows. Each cow has 4 legs. How many legs do the cows have in all?
6. Laura collects rocks. She had 36 red rocks and 14 green rocks. How many rocks does Laura have?
7. There are 46 different types of rocks. There are 27 different types of minerals. How many rocks & minerals are in our earth?
8. There are 37 roses in the garden and 57 tulips. How many flowers are in the garden?
9. Ty has 74 yellow marbles and 27 blue marbles. How many marbles does he have?
10. Mrs. Scott has 102 blue unifex cubes and 206 red unifex cubes. How many unifex cubes does she have?
11. There are 158 girls at Lowell. There are 164 boys. How many children attend Lowell?

## THIRD GRADE

### PART-PART-WHOLE – WHOLE UNKNOWN (CONT.)

12. The janitor counted the milk cartons this morning. 91 are chocolate milk and 263 are whole milk. How many cartons of milk did the janitor count?
13. There kids at a basketball game, 1280 are boys and 2700 are girls. How many kids are at the game?
14. Connie has 713 red marbles and 479 blue marbles. About how many marbles does she have altogether? Estimate by rounding.
15. There are 13 black horses and 21 dun horses in my pasture. How many horses are in the pasture?
16. There are 14 necklaces and 7 rings in Bridget's jewelry box. How many necklaces & rings of jewelry are in the jewelry box?
17. There are 15 adult penguins and 10 baby penguins sitting on top of the iceberg. How many penguins are sitting on the iceberg?
18. Chilly Willy climbed \_\_\_\_\_ flat icebergs, \_\_\_\_\_ small icebergs and \_\_\_\_\_ large mountain like icebergs. How many icebergs did Chilly Willy climb?
19. Team A has 24 points and Team B has 14 points. How many points in all?
20. There are 47 steps on the tall slide at the park and 29 on the short slide. How many steps are on the two slides at the park?
21. There are 6 boys at Tschetter Colony and 9 girls at Tschetter Colony. How many students are there at Tschetter Colony?
22. There were 42 players on the red team and 6 players on the blue team. How many players were there?

### PART-PART-WHOLE – PART UNKNOWN

1. There are 181 students at New Underwood School. 96 have light colored hair and the rest have dark colored hair. How many have dark colored hair?
2. Jill has 52 pencils. 18 have erasers and the rest do not. How many pencils does Jill have that don't have erasers?
3. Sarah has 47 balloons. 37 of them are blue. The rest of them are red. How many are red?
4. There are 173 students in the Ethan school. 76 of those students are female and the rest are male. How many male students are there?
5. The football team scored 35 points in a game. If each touchdown is worth 7 points, how many touchdowns did the team make?
6. Laura has 56 beads. 13 are red. How many are blue?
7. There are 46 papers on Fuad's desk. 22 of them were scratch paper. The rest were various papers from math class. How many were various papers?
8. There are 352 cars in the parking lot. 67 are pick up trucks, the rest are mini vans. How many are mini vans?

## THIRD GRADE

### PART-PART-WHOLE – PART UNKNOWN

9. Ashley has 37 books. 21 of her books are chapter books and the rest are picture books. How many picture books does she have?
10. Kenata has 167 coins in her jar. 50 of them are dimes and the rest are pennies. How many pennies does she have?
11. There are 322 students at Lowell. 158 of them are girls. How many are boys?
12. There are 318 cartons of milk. 246 cartons are skim milk. The rest are chocolate. How many cartons are chocolate?
13. There are 450 plants in the greenhouse. 370 are poinsettias, the rest are Christmas cacti. How many are Christmas cacti?
14. Connie has 279 marbles. 23 are red and the rest are blue. About how many blue marbles does Connie have? Estimate by rounding.
15. There are 37 horses in my field. 18 of the horses are Ms. Taylor's. How many of the horses are not Ms. Taylor's.
16. There are 62 pieces of jewelry in Bridger's jewelry box. 21 of them are necklaces and rings. How many are other pieces of jewelry?
17. There are 52 penguins on the iceberg. 33 of the penguins are on the right side of the iceberg. How many are on the left side of the iceberg?
18. Chilly Willy and Tacky have \_\_\_\_\_ friends that are different kinds of penguins. \_\_\_\_\_ friends are King penguins and the rest are Macaroni penguins. How many are Macaroni penguins?
19. A first down is 10 yards. Team A needs 4 more yards for a first down. How many yards have they gained thus far?
20. There are 62 picnic tables in the park. 24 of them are red. The rest are green. How many are green?
21. There are 96 girls' swimsuits for sale at the store. 54 of them are 2-piece suits. The rest of them are 1-piece suits. How many of them are 1-piece suits?
22. There were 52 cars in the toy box. 23 were red cars and the rest were blue cars. How many are blue cars?

## THIRD GRADE

### COMPARE DIFFERENCE UNKNOWN

1. Lynn has 147 pieces of paper in her desk. Skyler has 128 pieces of paper in his desk. How many more pieces of paper does Lynn have than Skyler?
2. Amanda has 26 crackers. Jelsie has 17 crackers. How many more crackers does Amanda have than Jelsie?
3. Will has 42 baseball cards. Johnny has 33 baseball cards. How many more cards does will have than Johnny?
4. Tara has \$175.00. Mike has \$133.00. How much more money does Tara have than Mike?
5. Willie had 36 crayons and 6 boxes. How many crayons are in each box?
6. Mark has \$7.53 and Kristen has \$13.84. Can they go together to buy a DVD that costs \$50.00? If they can what is their change, if not, how much more do they need?
7. Shelise had 26 markers. Cherie has 19 markers. How many more markers does Shelise have than Cherie?
8. Dingo has 32 puppies, Maggie has 60 puppies. How many more puppies does Maggie have than Dingo?
9. Ed has 23 fish. Gary has 15 fish. How many more fish does Ed have than Gary?
10. Emily found 86 seashells at the beach. Sara found 49 seashells. How many more seashells did Emily find than Sara?
11. There are 164 boys at Lowell. There are 158 girls. How many more boys are there than girls?
12. Colin read 3,291 pages and Will read 1,425 pages. How many more pages did Colin read than Will?
13. Chris has 10 markers. Grayson has 4. How many more markers does Chris have than Grayson?
14. Connie has 728 marbles & Juan has 374 marbles. About how many more marbles does Connie have than Juan? Estimate by rounding
15. Wynter has 19 horses. Ms. Taylor has 13 horses. How many more horses does Wynter have?
16. Bridget has 12 Bratz dolls. Brianna has 8 Bratz dolls. How many more Bratz dolls does Bridget have than Brianna?
17. Goodly has learned 5 new songs. Angel has learned 2 new songs. How many more songs has Goodly learned than Angel?
18. Tacky saw \_\_\_\_\_ Orcas and \_\_\_\_\_ Leopard seals in the ocean. How many more Leopard seals did he see?
19. Team A has 34 points. Team B has 20 points. How many more points does Team A have?
20. Sally brought 52 blue napkins. Pam brought 37 purple napkins. How many more napkins does Sally have then Pam?
21. Michelle has 13 necklaces. Chelsea has 6 necklaces. How many more necklaces does Michelle have than Chelsea?
22. Amy has 61 crayons. Julie has 47 crayons. How many more crayons does Amy have than Julie?

## THIRD GRADE

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

1. Adrienne has 569 small stickers in her sticker book. Jacque has 128 more. How many stickers does Jacque have?
2. Amanda has 31 crackers. Jelsie has 17 more crackers than Amanda. How many crackers does Jelsie have?
3. Ted has 15 bricks. Hayden has 7 more bricks than Ted. How many bricks does Hayden have?
4. Dakota has \$67.00. Dillon has \$19.00 dollars more than Dakota. How much money does Dillon have?
5. Zach has 3 times as many cards as Jacob. If Jacob has 6 cards, how many cards does Zach have?
6. Mary has 3,286 marbles. Mark has 846 more than Mary. How many marbles does Mark have?
7. Jolena has 21 colored pencils. Kevin has 9 more colored pencils than Jolena. How many colored pencils does Jolena have?
8. Austin has 27 Legos. Noah has 33 more Legos than Austin. How many Legos does Noah have?
9. Kim has 53 ribbons for her hair. Hope has 27 more than Kim. How many ribbons does Hope have?
10. Austin has 43 CD's. Katie has 9 more CD's than Austin. How many CD's does Katie have?
11. There are 158 girls at Lowell. There are 6 more boys than girls. How many boys go to Lowell?
12. Rachel read that 843 people attended the football game last week. This week 64 more attended. How many people attended the football game this weekend?
13. Lexy has 18 stickers. Ashaunte has 15 more stickers than Lexy. How many stickers does Ashaunte have?
14. Juan has 324 marbles. Connie has 221 more than Juan. About how many marbles does Connie have?
15. Mrs. T has 9 more horses than Wynter. Wynter has 15 horses. How many does Ms. T have?
16. Brianna has 17 necklaces. Bridget has 2 more than Brianna. How many necklaces does Bridget have?
17. Neatly has 7 fish. Perfect has 5 more than Neatly. How many fish does Perfect have?
18. Chilly Willy saw \_\_\_\_\_ Blue whales. He saw \_\_\_\_\_ more Sperm whales than Blue whales. How many Sperm whales did he see?
19. Team A has 170 rushing yards. Team B has 50 more rushing yards. How many rushing yards does team B have?
20. Sally saw 302 ants. Yunni saw 159 more ants than Sally. How many ants did Yunni see?
21. Quentin has 5 tractors. Matthew has 6 more than Quentin. How many does Matthew have?
22. Bill has 89 markers. Jim has 21 more than Bill. How many markers does Jim have?

## THIRD GRADE

### COMPARE REFERENT SET UNKNOWN

1. Karlie has 136 books. She has 89 more than Zach. How many books does Zach have?
2. Amanda has 27 crackers. She has 13 more crackers than Jelsie. How many crackers does Jelsie have?
3. Tyler has 13 toy cars. He has 9 more than Bob. How many cars does Bob have?
4. Levi has \$43.00. He has \$20 more than Joseph. How much money does Joseph have?
5. Mark had some marbles. Tyler had 7 times as many as Mark. If Tyler has 35 marbles, how many does Mark have?
6. Ben has 75 pizzas. He has 25 more than Dan. How many pizzas does Dan have?
7. Abby has 26 stickers. She has 7 more stickers than Denise. How many stickers does Denise have?
8. Henok has 352 M & M's. He has 100 more M & M's than Oliva. How many M & M's does Oliva have?
9. Maggie has 62 coins. She has 41 more than Jacob. How many coins does Jacob have?
10. Sue has 102 pictures in her photo album. She has 21 more pictures than Sara. So how many pictures does Sue have?
11. Lowell has 164 boys. There are 6 more boys than girls at Lowell. How many girls go to Lowell?
12. Natalie has \$252.00. She has \$75.00 less than Mariah. How much does Mariah have?
13. Ashaunte has 15 stickers. Ashaunte had 3 fewer stickers than Lexy. How many stickers does Lexy have?
14. Connie has 79 marbles. She has 17 more marbles than Juan. About how many marbles does Juan have?
15. Vanessa has 7 horses. She has 5 more than Wynter. How many does Wynter have?
16. Bridget has 15 gumballs. She has 7 more than Cody. How many gumballs does Cody have?
17. Angel has 10 eggs. She has 5 fewer than Neatly. How many eggs does Neatly have?
18. Chilly Willy has \_\_\_\_\_ fish. He has 6 more than Tacky. How many fish does Tacky have?
19. Team A has 28 points. They have 4 points more than Team B. How many points does Team B have?
20. Pam has 72 pieces of bubble gum. She has 24 more pieces than Kay. How many pieces of gum does Kay have?
21. Nicole has 48 stickers. She has 36 more than Grace. How many stickers does Grace have?
22. Andrew has 74 balloons. He has 36 more balloons than Max. How many balloons does Max have?

## FOURTH GRADE

### JOIN RESULT UNKNOWN

1. Craig has 117 cars. Kellen gave him 28 more cars. How many cars does Craig have now?
2. Joe has 262 baseball cards. He wants to buy 28 more baseball cards. How many cards would Joe have then?
3. Chris made \$31,982 last week. He made \$10,673 more this week. How much money did he make during the last 2 weeks?
4. Tanner had 14 tractors. Dustin gave him 7 more tractors. How many tractors does Tanner have altogether?
5. Jimmy had \$10.50. His dad gave him \$3.25 more. How much money does Jimmy have now?
6. There are 16 students in each class. Each student eat 3 cookies. How many cookies do the students eat?
7. Mark had 35 crayons and Jon gave him 18 more. How many does he have now?
8. Mary has 6 pencils. She receives 6 more pencils from her teacher. How many pencils does she have now?
9. Desiree went to McDonald's. She ordered a burger for \$1.99 and an ice cream cone for \$.99. How much did she spend?
10. Joel scored 260 points so far this season. He scored 15 points this game. How many points has he scored?
11. Ted has \$17.58 in his piggy bank. He earned \$25.00 shoveling snow. How much money does he have now?
12. Ellie read 15 Prairie Pasque and 15 Pr. Bud books in 3<sup>rd</sup> grade. She read all 15 Prairie Pasque and 12 Pr. Bud books in 4<sup>th</sup> grade. How many Prairie Pasque and Pr. Bud has she read in 2 years?
13. The girls built \_\_\_\_\_ snowmen. The boys built \_\_\_\_\_ more. How many snowmen did they build?
14. Sam has 18 gold bars. He finds 24 more. How many gold bars does he have now?
15. Caden has 15 trading cards. He buys 7 more. How many cards does he have now?
16. Jace has 56 tokens from Gigglebees. He wins 23 more. How many tokens does he have to spend now?
17. Tom has 60 baseball cards. He wants to buy 25 more. How many cards would he have then?



## FOURTH GRADE

### JOIN CHANGE UNKNOWN

1. Raina has 265 butterflies. How many more butterflies does she need to have 408?
2. Joe has 262 baseball cards in his collection. About how many more does he have to buy to get to 300 cards?
3. Beth has 230 dolls in her bedroom. She buys some more. How many dolls did she buy to have 891?
4. Dustin has 22 cows. How many more cows would he have to buy to have 35 cows altogether?
5. Susan has \$125.70. How much more money does she need to have \$150.00?
6. There are 13 groups of birds. The birds laid 72 eggs in all. How many eggs did each bird lay?
7. Tony bought 15 cupcakes for his class treats. How many more does he need to buy to serve 22 students?
8. Mary has  $\frac{1}{4}$  of an apple. She gets more of an apple from mom. She ends up with 1 whole. How much did mom give her?
9. The class had brought in 361 pencils. Their teacher brought some too. Now they have 511. How many pencils did the teachers bring?
10. Celia used  $2\frac{1}{4}$  cups of sugar before she ran out. The recipe calls for  $5\frac{1}{2}$  cups of sugar. How many more cups of sugar does she need to finish her cake?
11. Roosevelt & OB combined for 49 points in the championship game. RHS won by scoring 28 points. How many points did OB score?
12. Jan put \_\_\_\_\_ rocks on for the smile, then she put on some more for the buttons. She used \_\_\_\_\_ in all. How many were buttons?
13. James has 104 gold coins. He stumbles upon a treasure chest with some more. Now he has 311 gold coins. How many did he stumble upon?
14. Caden has 15 trading cards. After he buys some, he has 22 cards. How many did he buy?
15. Jace has 56 tokens from Gigglebees. How many more does he need to purchase a game for 79 tokens?
16. Paris has 25 pens in her collection. How many more does she have to buy to have 60 pens?

## FOURTH GRADE

### JOIN START UNKNOWN

1. Marshal has some horses. He bought 38 more. Now he has 113 horses. How many horses did he start with?
2. Joe has some money in his savings account. He sold a Playstation game for \$40.00. Now Joe has \$120 in his savings account. How much money did Joe start with?
3. Chris made some money last week. He made \$10,673 this week. Chris now has \$42,655. How much money did he make last week?
4. Tanner has some cows. His dad gives him 9 more cows. Now Tanner has 22 cows. How many cows did Tanner start with?
5. Hallie had some money. Emily gave her \$5.00 more. Now she has \$17.00. How much did she start with?
6. The kids put some eggs in each carton. There are 7 cartons. All 7 cartons contain 98 eggs. How many eggs did the kids put in each carton?
7. Tristin had some money in his bank. He put \$12.50 more in his bank and now has \$26.72. How much was in his bank to start with?
8. Alyssa had some books in her bedroom. She ordered 7 books from Scholastic. Now she has 27 books. How many books did she have before the order?
9. Ben has some money. He earns \$5 more. He now has \$23. What did Ben start with?
10. Our class was collecting mittens. We had some before Christmas. After Christmas, we brought in 34 pairs. Now we have 78 pairs. How many did we start with?
11. Lisa has some candy bars. Her friend gave her  $1\frac{1}{3}$  more. Now she has  $4\frac{2}{3}$  candy bars. How much did she begin with?
12. Mary had some money to go Xmas shopping with. She spent \$282.00. She came home with \$3.75. How much money did Mary start with?
13. Pat made some snowballs in the morning. Then he made \_\_\_\_\_ more in the afternoon. By the end of the day, he had \_\_\_\_\_ snowballs. How many did he make in the morning?
14. A school of clown fish were in the sea. 32 clown fish joined them. Now there are 71. How many fish were in the school to start with?
15. Caden collects baseball cards. He got 7 for his birthday, and now he has 22. How many cards did he start with?
16. Jace has some tokens from Gigglebees. He wins 23 more. Now he has 79 tokens. How many tokens did Jace have to start with?
17. Clara has some horses. She received 25 more. Now she has 60 horses. How many did she start with?

## FOURTH GRADE

### SEPARATE RESULT UNKNOWN

1. Jordan had 106 books. He donated 48 of them to the school library. How many books does he have left?
2. Jake had \$462.92 in his savings account. He spent \$45.65 on CDs. How much \$ does Jake have left?
3. Sandy had 313 candies in her bag. She took 112 out to give to her friends. How many candies does Sandy have now?
4. Jared has 52 cows. He sells 20 of them. How many cows does Jared have left?
5. Justin had \$126.72. He bought a game for \$57.91. How much money does he have left?
6. There were 96 basketball players. The coach put 8 players on each team. How many teams did the coach make?
7. Micayla had \$24.70. She bought a book that cost \$10.25. How much does she have left?
8. Jason finds 12 dimes in the sand. He spent 4 of them. How many dimes does Jason have now?
9. Alicia has  $\frac{7}{12}$  of a donut. She is going to give  $\frac{1}{4}$  of her part of the donut to Jaimie. How much of the donut will Alicia have left?
10. 4<sup>th</sup> grade has 7,645 pennies saved from our penny war. We have 2,431 to the 5<sup>th</sup> grade. How many do we have left?
11. A new bike is \$80.00. If Ted has \$42.58 in his bank, how much money does Ted need to buy the bike?
12. There are 15 Prairie Pasque books. Nathan has read 9 so far. How many more does he need to read to read all the books?
13. Greg made \_\_\_\_\_ snow balls. His brother broke \_\_\_\_\_ of them. How many are left?
14. Mrs. Anderson had 144 beaded necklaces. She handed out 110 to the swimmers at the beach. How many does she have left?
15. Hannah has 24 beads. She gave 9 of them to Sarah. How many beads does she have now?
16. Ashlynn had 19 pencils. She sharpened 6 of them. How many unsharpened pencils did she have left?
17. Lance has 37 sheep. He sells 15 of them. How many sheep does Lance have left?

## FOURTH GRADE

### SEPARATE CHANGE UNKNOWN

1. Tyler had 72 video games. He gave some to Sarah. Now he has 67 left. How many did he give to Sarah?
2. Jake had \$462.92 in his savings account. He spent some money. Jake has \$61.21 in his savings now. How much money did Jake spend?
3. Jim had \$13,916 in his savings account. He took some money out to buy some baseball cards. He now has \$12,812 in his account. How much did he take out?
4. Dustin had 32 tractors. He gave some to Austin. Now he has 20 tractors left. How many did he give to Austin?
5. Judy had \$252.19. She bought a TV. Now she has \$99.77 left. How much did the TV cost?
6. Ninety fish swam in a school. When the shark came, they split into many groups. Each group had 6 fish. How many groups did they split into?
7. Jordan has 42 pieces of gum. She gave some to Samantha. She has 27 pieces left. How many pieces did she give to Samantha?
8. All 22 students were in class. The orchestra kids left for lessons. There are 5 students now working in class. How many left for orchestra?
9. Sam has \$15. He spent some of his money on a football. He has \$9 left. What did he spend on the football?
10. Mrs. H. went shopping with \$25. She bought groceries. She came home with \$12.45. How much did she spend?
11. Jan finished building her rocket at 5:30. If she started at 2:15, how long did it take her to build the rocket?
12. 14 boys were playing football at recess. Some of the boys quit to play tag on the wood chips. 9 boys were still playing football. How many left to play tag?
13. The snowman was \_\_\_\_\_ tall. The sun came out and melted some of the snowman so it was shorter. Then he was only \_\_\_\_\_ tall. How much did he shrink?
14. Mrs. Monson put 500 seashells in the sand dig. When the dig was over there were 208 left in the sand. How many were found in the sand dig?
15. Hannah has 36 beads. After she gave Taneil some, she had 15 left. How many did she give to Taneil?
16. Ashlynn had 19 pencils. She gave some to Hayle. She has 13 left. How many pencils did Ashlynn give to Hayle?
17. Lance has 36 sheep. He gave some to Preston. Now he has 15 left. How many did he give to Preston?

## FOURTH GRADE

### SEPARATE START UNKNOWN

1. Tia had some Skittles. She gave 342 to her teacher. Now she has 563 left. How many Skittles did Tia start with?
2. Joe has some money in his savings account. He spent \$50.00 on a Playstation game. Now Joe has \$120.00 in his savings account. How much money did Joe start with?
3. Sandy had some candy in her bag. She took 112 pieces out. She now has 201 pieces. How many pieces of candy did Sandy have to start with?
4. Jared has some sheep. He gave 13 to Mike. Now Jared has 17 sheep left. How many sheep did Jared start with?
5. Marian had some pie. She ate  $\frac{1}{4}$  of the pie. Now there is  $\frac{1}{3}$  left. How much of a pie did she originally have?
6. Mary divided the tennis balls into baskets. She put 3 balls in each basket. There were 81 balls in all. How many baskets did she use?
7. Payton had some money. She spent \$5.25 and now has \$8.30. How much money did Payton have to start with?
8. Emily had many stickers. She shared 14 stickers with her girl friends. Now she has 20 stickers. How many stickers did Emily start with?
9. Amanda has a length of fish line. She uses 5 inches for a bracelet. She now has 28 inches left. How much fish line did Amanda start with?
10. The YMCA had t-shirts to give away. They gave 467 to one school. Now they have 851 left. How many did they start with?
11. Max has some money. His sister borrowed \$12.14 to buy a shirt. Now Max has \$68.41. How much did Max start with?
12. Lucas had a big collection of football cards. For his birthday, he got 30 more cards. He now has 180 football cards. How many cards did he start with?
13. The 2<sup>nd</sup> graders built some snowmen on the playground. The 1<sup>st</sup> graders built \_\_\_\_ more. Now there are \_\_\_\_\_. How many snowmen did the 2<sup>nd</sup> graders build?
14. Abby was selling slushies at the beach. She sold 15 and had 13 left on her tray. How many slushies did she start with?
15. Hannah collects beads. She gave 9 to Allison and kept 28. How many did she have at the beginning?
16. Ashlynn had some pencils. She sharpened 6. Now she has 13 unsharpened pencils left. How many pencils did she have to start with?
17. Lance has some sheep. He sold 15 of them. Now he has 22 left. How many sheep did Lance start with?

## FOURTH GRADE

### PART-PART-WHOLE – WHOLE UNKNOWN

1. Andrea has 147 Barbie dolls and 359 Brat dolls. How many total dolls does Andrea have?
2. There are 70,321 football fans and 45,320 baseball fans. How many fans are there for these two sports?
3. There were 62 girls and 97 boys at Erskine Elementary. How many kids are at Erskine Elementary?
4. Austin has 15 Angus cows and 14 dairy cows. How many cows does he have?
5. Carter had  $\frac{1}{8}$  of a pepperoni pizza and  $\frac{2}{3}$  of a sausage pizza. How much of a whole pizza does he have?
6. There were 3 kids on the slides. There were 6 slides. How many kids were there in all?
7. Walker has 16 cans of Mt. Dew and 28 cans of Coke. How many cans of pop does he have?
8. There are 24 female teachers in our school building and 37 male teachers. How many teachers are there in all?
9. There are 685 parents attending the play. There are 340 students who will also attend. How many chairs will have to be set up for all the people attending?
10. Landri had 118 basketball cards and 216 football cards. How many cards does he have?
11. Mark has  $\frac{3}{8}$  of a pizza. Carol has  $\frac{7}{8}$  of a pizza. How much pizza do they have together?
12. Class 401 collected 119 items in the C.W. food drive & 402 collected 121. How many items did the two classes collect?
13. There are \_\_\_\_\_ snowmen with hats and \_\_\_\_\_ with scarves. How many snowmen in all?
14. There were 64 girls and 49 boys at the luau. How many kids were there?
15. There were 15 black dogs and 7 white dogs on our block. How many dogs are there on our block?
16. 4B has 11 girls and 7 boys. How many students are in 4B?
17. Raul has 7 books about trucks and 15 books about animals. How many books does he have?

## FOURTH GRADE

### PART-PART-WHOLE – PART UNKNOWN

1. Madelin has 221 CDs. 134 are country. The rest are rock and roll. How many rock and roll CDs does Madelin have?
2. There are 86,732 sports fans. 63,432 are football fans. The rest are baseball fans. How many are baseball fans?
3. There were 159 kids at Erskine Elementary. 62 kids were girls. The rest of the kids were boys?
4. Tanner has 42 animals. 21 are cows and the rest are sheep. How many sheep does Tanner have?
5. Hanna has 1 total pizza.  $\frac{2}{9}$  of the pizza is supreme and the rest is cheese. How much of the pizza is cheese?
6. There are 84 trees in the grove. The trees are in 4 rows. How many trees are in each row?
7. Micah has 42 coins. 15 of the coins are dimes. How many of the coins are not dimes?
8. We have 37 students in the 5<sup>th</sup> grade. 17 students are bused to school. The rest walk. How many students walk to school?
9. There are 12 apples in Katie's basket.  $\frac{1}{2}$  of them are Fuji,  $\frac{1}{4}$  of them are Granny Smiths, the rest are Red Delicious. How many of the 12 apples are Red Delicious?
10. There are 100 kids in the 4<sup>th</sup> grade.  $\frac{1}{4}$  of them are girls. What fraction of them are boys?
11. The length of the room is 10.5 feet. The length of the rug in the room is 8.8 feet long. What length of the room is not covered by the rug?
12. There are 21 K-5 classrooms at Laura Wilder. Eight of the classrooms are 3-5 classrooms. How many primary classrooms are there at Laura Wilder?
13. There are \_\_\_\_\_ snowmen. \_\_\_\_\_ have buttons and some do not. How many do not have buttons.
14. There are 237 coins in the treasure chest. 118 of the coins are heads up. How many are tails?
15. Elyse has 36 ribbons. Allie has 12 more than Elyse. How many ribbons does Allie have?
16. There are 22 dogs on our block. 15 are black. How many are not black?
17. 4B has 18 students. 11 of the students are girls. The rest are boys. How many boys are in 4B?
18. Raul has 22 books. 15 of the books are about animals. How many books are about trucks?

## FOURTH GRADE

### COMPARE DIFFERENCE UNKNOWN

1. Aliyah has 56 photos and Jacob has 189 photos. How many more photos does Jacob have than Aliyah?
2. Willy can lift 20 lbs. 6 oz. Bill can lift 16 lbs. 12 oz. How many more pounds can Willy lift?
3. LaNaya has \$129. Cole \$343. How much more money does Cole have than LaNaya?
4. Tanner has 32 cows. Dustin has 15 cows. How many more cows does Tanner have than Dustin?
5. Adam has \$92.75. Jude has \$57.25. How much more money does Adam have than Jude?
6. Sally has 75 puppies. Sara has 64 puppies. How many more puppies does sally have?
7. Jon spent 1 hour and 25 minutes reading. Jamie spent 35 minutes reading. How much more time did Jon spend reading?
8. Johnny has 17 toy cars. Lucy has 27 toy dolls. How many more toys does Lucy have than Johnny?
9. Brian has 14 points in the basketball game. Eli has 6. How many more points does Brian have?
10. Morgan has 761 homework points. Ashley has 596 points. How many more does Morgan have?
11. Mary has \$3.80. Tracy has \$4.20. How much more money does Tracy have?
12. John has 42 auction dollars. Michael has 21 auction dollars. How many more auction dollars does John have than Michael?
13. There are \_\_\_\_\_ snow forts on the playground and \_\_\_\_\_ snowmen. How many more forts are there than snowmen?
14. After a fishing trip, 4<sup>th</sup> grade had 35 fish. 3<sup>rd</sup> grade had 26 fish. How many more fish did 4<sup>th</sup> grade catch than 3<sup>rd</sup> grade?
15. Tony has 12 toy soldiers. Ben has 8 toy soldiers. How many more soldiers does Tony have than Ben?
16. Kylei has 33 cousins. Dinah has 15 cousins. How many more cousins does Kylie have than Dinah?
17. Rebekah has 23 hair bows. Samantha has 13 hair bows. How many more hair bows does Rebekah have than Samantha?



## FOURTH GRADE

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

1. Jasmine has 73 pens. Brandon has 68 more than Jasmine. How many pens does Brandon have?
2. Willy has 2  $\frac{1}{2}$  dozen crayons. Lucy has  $\frac{1}{2}$  dozen more than Willy. How many crayons does Lucy have?
3. LaNaya has \$129. Cole has \$214 more than LaNaya. How much money does Cole have?
4. Austin has 12 sheep. Mike has 11 more than Austin. How many sheep does Mike have?
5. Sydney has \$23.57. Joanna has \$10.72 more than Sydney. How much money does Joanna have?
6. Sally has 7 rocks in her collection. Sara has 12 times as many rocks in hers. How many more rocks does Sara have?
7. Hope has 35 markers. Micayla has 15 more markers than Hope. How many markers does Micayla have?
8. Salvador made 12 tortillas. Tony made 7 more tortillas than Salvador. How many tortillas did Tony make?
9. Emily has 1056 points. Sami has 93 more points than Emily. How many points does Sami have?
10. Mrs. O. has 219 Ch. Books on her shelves. Mrs. R. has 113 more than Mrs. O. How many does Mrs. R. have?
11. Michelle has  $\frac{2}{4}$  of a pizza. Mark has  $1\frac{3}{4}$  more than Michelle. How many pizzas does Michelle have?
12. Mr. Schmitz has read  $13\frac{1}{2}$  Prairie Pasque books. Reiley has read 1 more book than Mr. S. How many Prairie Pasque books has Reiley read?
13. There are \_\_\_\_\_ kids making snow angels. \_\_\_\_\_ more are sledding How many kids are sledding?
14. Callie has  $\frac{1}{4}$  of a pizza at the luau. Carly has  $\frac{1}{4}$  more of the pizza than Callie. How much of the pizza does Carly have?
15. Elyse has 36 ribbons. Allie has 12 more than Elyse. How many ribbons does Allie have?
16. Dinah has 15 cousins. Kylei has 18 more cousins than Dinah. How many cousins does Kylei have?
17. Samantha has 13 hair bows. Rebekah has 10 more than Sam. How many hair bows does Rebekah have?

## FOURTH GRADE

### COMPARE REFERENT SET UNKNOWN

1. Mrs. Waider has 702 M & M's. She has 293 more than Mrs. Rosenboom. How many M & M's does Mrs. Rosenboom have?
2. Lucy has  $2\frac{1}{2}$  dozen crayons. She has 5 more crayons than Willy. How many crayons does Willy have?
3. Cole has \$343. He has \$214 more than LaNaya. How much money does LaNaya have?
4. Jared has 34 cows. He has 14 less than his dad. How many cows does his dad have?
5. Demi has \$152.91. She has \$23.10 more than Emma. How much money does Emma have?
6. Sally had some rocks. Sara has 5 times as many as Sally. Sara has 65 rocks. How many more rocks does Sara have?
7. Hope has 35 markers. She has 13 more than Micayla. How many markers does Micayla have?
8. There are 7 bulletin boards in the hall at Eugene Field. There are two fewer boards at Harvey Dunn. How many bulletin boards are at Harvey Dunn school?
9. Matthew has a batting average of .125. His average is .015 better than Reilly. What is Reilly's batting average?
10. Mr. B has 89 bugs in his collection. He has 16 more than Mrs. W. How many does Mrs. W. have?
11. Tom has 4 CDs. He has  $\frac{1}{4}$  of the collection that Marty has. How many CDs does Marty have?
12. Oklahoma scored 21 points. They had 14 more than Nebraska. How many points did Nebraska score?
13. After coming inside the kids were cold. \_\_\_\_\_ had hot chocolate. \_\_\_\_\_ fewer wanted hot apple cider. How many had cider?
14. \_\_\_\_\_ kids had hot chocolate. That is \_\_\_\_\_ more than had cider. How many kids had cider?
15. Ronny has  $\frac{5}{8}$  of the pizza at the luau. He has  $\frac{2}{8}$  more than John. How much of the pizza does John have?
16. Elyse has 36 ribbons. She has 8 more than Allie. How many does Allie have?
17. Kylei has 33 cousins. She has 18 more than Dinah. How many cousins does Dinah have?
18. Rebekah has 23 hair bows. She has 10 more than Sam. How many hair bows does Sam have?

## FIFTH GRADE

### JOIN RESULT UNKNOWN

1. Paul ate  $\frac{3}{8}$  of the pizza. Jim ate  $\frac{1}{8}$  of the pizza. How much of the pizza did they eat all together?
2. Terry had \$18.16 in savings. He wants to put \$63.41 more in his savings. How much money will Terry have in his savings?
3. Jaymie scored 87 points on his first test and 96 points on his second test. How many points did he earn?
4. Bob has 47 cards. He gets 29 new cards for his birthday. How many cards does he have now?
5. John has 47 cards in his football card collection. If his brother gives him 25 cards for his birthday, how many will he have?
6. Carol has 1,821 stickers. She wants to buy 150 more stickers. How many stickers would Carol have then?
7. Paula & Tim get the same weekly allowance. If Paula has  $\frac{2}{8}$  of hers left and Tim has  $\frac{3}{8}$  left, how much do they have together?
8. Kylee charges \$8 to mow a lawn. She can mow 2 lawns a day. What is the most she can make in 6 days?
9. Ben had \$5.42. Sam had .87. How much money did they have together?
10. Steve had  $\frac{3}{4}$  of a pizza left. John gave him  $\frac{2}{6}$  of his pizza. How much does Steve now have?
11. Logan had  $1\frac{3}{4}$  cups of flour. Her mom gave her  $\frac{1}{2}$  cup more. How much flour did Logan have?
12. Joe has \$23.00. Kyle gave him \$1.75 more. How much money does Joe have now?
13. Jon ate  $\frac{1}{4}$  of a Pizza for lunch and then ate  $\frac{2}{3}$  of the pizza for dinner. How much of the pizza has Jon eaten?
14. Gene has 265 baseball cards. John has 327. How many cards do they have all together?
15. Terrance had  $3\frac{1}{2}$  boxes of baseball cards. Moriah gave him  $1\frac{1}{2}$  more boxes of cards. How many boxes of cards does Terrance have altogether?
16. Logan has 48 new baseball cards. Nick gave him 13 more. How many cards does Logan have now?
17. Mary bought popcorn for \$.75 and a pop for \$1.25. How much money did Mary spend?
18. Tiki Barber has 1,354 rushing yards. He wants to rush for 312 more. How many yards will he have then?
19. Sara earned \$10.75 baby sitting on Friday. She earned \$15.75 on Saturday. How much money did she earn in 2 days?
20. Karen has 2 ft. 3 in. of rope. Sue ties on 1 ft. 10 in. of rope. How long is the rope?
21. 1256 radio stations play in California and 576 radio stations play in Oregon. How many radio stations play in California and Oregon?
22. Chad ate  $\frac{1}{2}$  of a pizza. Kris ate  $\frac{1}{4}$  of the pizza. How much pizza was eaten?
23. Anna ate  $\frac{1}{3}$  of a cheese pizza and Rose ate  $\frac{2}{6}$  of the pizza. How much pizza did they eat altogether?

## FIFTH GRADE

### JOIN RESULT UNKNOWN (CONT.)

24. Joe has  $\frac{3}{4}$  of an apple pie and Johnny gives him  $\frac{1}{4}$  of his apple pie. How many pieces does Joe have now?
25. Sam scored 47 points. He scored 25 points in the next game. How many points did Sam score?
26. Carmello Anthony scored 22 points in game 1 and scored 34 points in game 2. How many points did he score in games 1 & 2?
27. Hailey has  $\frac{3}{4}$  pan of brownies. Mickenzie has  $\frac{1}{3}$  pan of brownies. How much would they have if they put them together?
28. Evan scored \_\_\_\_\_ points in the first game. He scored \_\_\_\_\_ points in the second game. Then how many points had he scored?
29. Kobe shot 21 2-point shots. He also shot 11 3-pointing shots. How many shots did he attempt?
30. Sam scored 47 points in one game and 25 points in the next game. How many points did Sam score?
31. Sam scored 47 points against Grant Deuel. In the next game he scored 25 points. How many points did he score?
32. Samantha scored 47 points in one game. She scored 13 points in the next game. How many points did she score?
33. Suzie has  $\frac{2}{3}$  of a pizza. Mom gave her  $\frac{5}{6}$  more of a pizza. How many pizzas does Suzie have altogether?
34. Tristen has a container of 100 marbles. His brother gave him 85 marbles to add to his collection. How many marbles does he have?
35. Jon went trick or treating. He received 97 pieces of candy. Later that night he went out again and received 53 more pieces of candy. How much candy did Jon get?

## FIFTH GRADE

### JOIN CHANGE UNKNOWN

1. Willie has \$1.75. How much more does he need to earn to have \$5?
2. The amount made at the concession stand Saturday night was \$98.42. How much more does the concession stand have to sell to have \$550 altogether?
3. Ray scored 12 points in last night's basketball game. How many more points would he need to score to reach his all time high of 35 points in a game?
4. Carl has \$49. He got some money for his birthday. Now he has \$95. How much money did Carl get for his birthday?
5. Genny had \$345.28 in her savings account. Her dad gave her allowance. Then she had \$365.53. How much was her allowance?
6. Jack has  $\frac{8}{12}$  of a pizza. How many more thirds does he need to have a whole pizza?
7. Bob got 42% on his first test. On his redo he got a 68%. By how much % did Bob improve his grade?
8. Kelsey charges \$7 to mow a lawn. If she makes \$94 how many lawns did she mow?
9. Tom had a half of a pizza. He took some more pizza. Now he has  $\frac{3}{4}$  of a pizza. How much pizza did he take?
10. Kayla has \$1.16. She earned some for baby sitting her brother. Now she has \$2.66. How much did she earn for baby sitting?
11. Elizabeth has \$17.37. How much more money does she need to have \$20.00 all together?
12. Hailey had a \$5.00 bill. Her mom gave her some more money. Now she has \$7.01. How much money did her mom give her?
13. Eric drove his car  $33\frac{1}{8}$  miles on Tuesday. He also drove his car on Wednesday. He drove a total of both days of  $74\frac{1}{2}$  miles. How far did Eric drive on Wednesday?
14. Gene has 265 baseball cards. How many more cards will he need to have 600 cards all together?
15. Austin has \$14.34. How much more money does Austin need to buy the \$20.00 DVD?
16. Sachiko has 45 balloons. How many more does she need to have 110?
17. Sonia has 85% of her homework done. How much more of her homework does she have to complete to be 100% done?
18. Eric has \$82 in the bank. How much more money does he need to buy an X-Box for \$200?
19. Desirae has \$45.50 in her savings account. How much more does she need to buy a new PS3 game that costs \$70.00?
20. Sue has 1 ft. 10 in. of rope. How much more rope does Sue need to make the rope 4 ft. 1 in?
21. Jack ate  $\frac{1}{2}$  of a pepperoni pizza. How much more pizza does he need to eat to have eaten  $\frac{5}{6}$  of the pizza?

## FIFTH GRADE

### JOIN CHANGE UNKNOWN (CONT.)

22. Chad ate  $\frac{1}{2}$  of a pizza. Kris had some pizza too.  $\frac{3}{4}$  of the pizza is gone. How much pizza did Kris eat?
23. Allie ate  $\frac{2}{6}$  of her chocolate bar. How much more does she need to eat to make a whole chocolate bar?
24. Garrett has  $\frac{1}{4}$  of the footballs. What fraction more would he need to have to have  $\frac{3}{4}$  of the footballs?
25. Jill scored 30 points in the first game. After 2 games, she had scored 68 points. How many points did she score in the second game?
26. Carmello got 8 rebounds in the first half. He grabbed some more in the second half. When the game was over he had 17 rebounds total. How many did he have in the second half?
27. Joe has  $3\frac{1}{2}$  pieces of gum. How many more pieces does he need to have 6 pieces?
28. Tate got \_\_\_\_\_ rebounds in the 1<sup>st</sup> half of the game. He got some more rebounds in the 2<sup>nd</sup> half. By the end of the game he had \_\_\_\_\_ rebounds. How many did he get in the 2<sup>nd</sup> half?
29. Carmello pulled down 8 rebounds in the first half. He grabbed some in the 2<sup>nd</sup> half. He had a total of 17 rebounds for the game. How many did he have in the 2<sup>nd</sup> half?
30. Jill scored 30 points in the first game of the season. After 2 games she had scored 68 points. How many points did she score in the second game?
31. Sarah made 5 baskets in one game. How many baskets did she score to have a total of 37 baskets?
32. Samantha made 26 points in the third game. She scored more points in the next game. If she now has 50 points, how many did she score in the 4<sup>th</sup> game?
33. Suzie has  $\frac{2}{3}$  of a pizza. How much more pizza does she need to have  $1\frac{1}{2}$  pizzas altogether?
34. Danielle earned \$25 for babysitting on Monday, \$15 on Tuesday, \$12 on Wednesday. By Friday, she had earned \$65 total. How much did she earn on Thursday?
35. Jami has 24 dolls in her collection. How many more does she need to have 47 in her collection?

## FIFTH GRADE

### JOIN START UNKNOWN

1. It took Bill 5 minutes to find his socks, 15 minutes to get dressed, 10 minutes to eat breakfast and 20 minutes to walk to school. He arrived at school at 8:00. When did Bill begin to get ready to go?
2. Winnie has some erasers. Tabby gave her eighteen more erasers. Now Winnie has two hundred 253 erasers. How many erasers did Winnie have to start with?
3. Jenny scored some points. Jenny then scored 6 more points. She has scored a total of 21 points. How many did Jenny have to start with?
4. Sue has a stamp collection. She added 125 to her collection. Now she has 496 stamps. How many did she have to start with?
5. Mrs. Heltibridle put some counters in the cup. Then, she asked for a volunteer to put some more counters in the cup. Roger put in 23. If there are now 72 counters in the cup, how many did Mrs. H put in?
6. Suzie has some pencils. Joey gave her 3 dozen more pencils. Now she has 13 dozen pencils. How many pencils did she have to start with?
7. Ann had \$12.00 to spend at the mall. She earned \$6.75 by doing chores. How much did she have before doing chores?
8. Emily mowed 5 lawns and made \$65. How much does she charge per lawn?
9. Tom had taken some candy off the table. He added it to the  $1\frac{2}{3}$  pieces of candy he already had. Now he has 5 whole pieces of candy. How much did he take off the table?
10. Sherry has some Hershey bars. Susan gave her  $2\frac{1}{8}$  Hershey bars more. Now she has  $4\frac{1}{2}$  bars. How much does Sherry have?
11. Chelsea had some skateboards. Melissa gave her 7 more skateboards. Now she has 13 skateboards. How many skateboards did Chelsea have to start with?
12. Maci had some pieces of candy. Austin gave her 584 more pieces. Now she has 1,353 pieces. How many did she have to start with?
13. Katie had some cookie batter. It was way too runny. She decided to add  $\frac{7}{8}$  of a cup of flour to make it thicker. She used a total of 2 cups of flour. How much did she put in the batter first?
14. Gene has some baseball cards. John gave him 160 cards. Now he has 425. How many cards did Gene have to start with?
15. Jessie had some CDs. Shanna gave her two more CDs. Now she has 21 CDs. How many CDs did she have to start with?
16. Ian had some new erasers. Nick gave him 12 more. Now he has 27 erasers. How many did Ian start with?
17. Heidi has some money in her piggy bank. She earns \$25.00 more. She now has \$72.42. How much money did Heidi start with?
18. Chris has some spit wads. Taylor gave him 52 more. Now Chris has 112 spit wads. How many spit wads did Chris have to start with?

## FIFTH GRADE

### JOIN START UNKNOWN (CONT.)

19. Cole ate some pizza for lunch. He ate  $\frac{2}{8}$  an hour later for a snack. If he ate  $\frac{6}{8}$  of the pizza, how much did he eat for lunch?
20. Karen has some rope. She gets 1 ft. 10 in. of rope from Sue. Now Karen has 4 ft. 1 in. of rope. How much did Karen have in the beginning?
21. Ali has some songs on her iPod. She downloaded 16 more. She now has 107 songs. How many songs did she have to start with?
22. Chad had some pizza. Kris had  $\frac{1}{4}$  of the pizza.  $\frac{3}{4}$  of the pizza has been eaten. How much did Chad eat?
23. Fallon has some cookies. Justice gave her  $\frac{1}{3}$  of her 12 cookies. Now Fallon has 10 cookies. How many cookies did Fallon have to start with?
24. Evy has some rope. She gets 5 more feet of rope. Now she has a total of 84 inches of rope. How many inches did she start with?
25. Sarah scored some points. In the next game she scored 17 points. If she now has 30 points, how many points were scored in the first game?
26. Carmello scored some points against the Bulls. He then scored 39 against the Supersonics. He scored 56 points in both games. How many did he score against the Bulls?
27. Jada has some money. She earns \$10.75 and now has \$20.31. How much did she start with?
28. Tate scored points on Monday night. He scored \_\_\_\_\_ points on Tuesday. After both games he had scored \_\_\_\_\_ points. How many did he score on Monday?
29. Tyler had some assists in the first half. He had 7 assists in the 2<sup>nd</sup> half. He had a total of 18 assists. How many assists did he have in the 1<sup>st</sup> half?
30. Sydney scored some points. In the next game she scored 17 points. If she now has 30, how many points did she score in the 1<sup>st</sup> game?
31. Sam made some free throws. She made 14 more and now she has made 27. How many did she score to start with?
32. Sara scored some points. In the next game she scored 17 points. If she now has 30 points, how many points did she score in the first game?
33. Suzie had some pizza. Her mom gave her  $\frac{2}{3}$  more pizza. Now she has  $1\frac{1}{2}$  pizzas. How many pizzas did Suzie start with?
34. Reid went to the movies. He had some money in his pocket. His dad gave him \$10 as well. Now he has \$32. How much was in his pocket?
35. Max has some money. For his birthday, his parents gave him \$25 and his grandparents gave him \$17.50. He now has \$53.00. How much money did he start with?



## FIFTH GRADE

### SEPARATE RESULT UNKNOWN

1. Paul had \$20. He spent \$13.25 on pizza. How much money did he have left?
2. The Perriwinkle Zoo had 186 crocodiles in a display. They loaned 47 to Harmony's Zoo. How many crocodiles did the Perriwinkle Zoo have left?
3. Connie had  $1\frac{1}{2}$  bags of cookies. She gave away 1 bag of cookies to her classmates. How many bags of cookies does she have left?
4. Fran has  $\frac{3}{4}$  of a pizza. She eats  $\frac{1}{4}$  of the pizza. How much pizza is left?
5. Joey had \$55.00 in his coat pocket. He gave Mrs. H. \$20.00 for his book order and \$5.00 to the lunch lady for his charges. Then, he lost his coat. How much money did he lose?
6. Jack has \$96.72. Over the weekend he spent \$37.50. How much money does he have left?
7. Pat had 16.3 lbs. of nuts for the party. The guests ate 14.7 lbs. How many lbs. does he have left?
8. Tyrell had 55 cookies. He wants to divide them among 18 students. How many cookies will each student get?
9. Tom ran the race in 6.72 seconds. Bill ran the race in 6.51 seconds. Who ran the fastest? How much faster did he run?
10. Ryan had  $5\frac{1}{2}$  cups of popcorn. He ate  $3\frac{1}{4}$  cups of it. How much does he have left?
11. Nick had \$13.13. He gave \$7.47 to Karst for his birthday. How much money does Nick have left?
12. Maddie had \$.90. She bought a candy bar for \$.62. How much money does she have left?
13. Bev had 6 feet of yarn. She needs to cut up the yarn for her quilt in  $1\frac{1}{2}$  foot pieces. How many pieces does she have?
14. Jewel Cave is 54.4 miles in length. 26.5 miles of the cave flooded last month. How many miles are left that are not flooded?
15. Barb had \$35,042.00. She spent \$17,651.00. How much money does Barb have left?
16. Matthew needed to read 500 pages. He has read 325. How many does he have left to read?
17. Gina took  $\frac{5}{12}$  of the pizza. She gave  $\frac{1}{6}$  of what she had to Katie. How much of the pizza did she have left?
18. Tiphani had \$13.00. At the movie she spent \$6.75. How much money does Tiphani have left?
19. Erinn had 95% of her math test done. She had 40% done before recess. How much did she complete after recess?
20. Sue has 20 pints of pop. She drinks  $2\frac{1}{2}$  pints at lunch. How much pop does she have left?
21. Jack has 12 ft. 6 in. of paper for a banner. He cuts off 3 ft. 8 in. How long is Jack's banner?
22. Chad has \$21.50. He bought a video game for \$16.97. How much money does Chad have left?

## FIFTH GRADE

### SEPARATE RESULT UNKNOWN (CONT.)

23. A pepperoni pizza was cut into 12 pieces. Brett ate 5 pieces. What part of the pizza was left?
24. Justin had 2 whole pizzas and Koda ate  $1\frac{1}{6}$  of the pizzas. How much was left?
25. Bob had 13 balls. He gave 8 to Jill. How many balls did Bob have left?
26. The Smiths went to a Nuggets game. They brought \$45 for concessions. They spent \$28 on food. How much money did they have left?
27. Chase had \$46.89. He spent \$38.02 on a video game. How much money does he have left?
28. The Johnson family came to the basketball game with \$\_\_\_\_\_ for concessions. They spent \$\_\_\_\_\_. How much money did they take home? (have left)
29. The Johnsons went to a Nuggets game. They brought \$30 for the concessions. They spent \$22.50. How much money did they have left?
30. Joe had 31 points & Bill had 16 points. How many more points did Joe score?
31. A.J. had 27 knee braces. He lost 7 of them. How many does she have left?
32. Sara ran 15 yards for a first down. Ryan got penalized 10 yards for taunting. How many yards did Sara gain?
33. Suzie had  $1\frac{1}{2}$  pizzas. She gave  $\frac{2}{3}$  of her pizza to Bobby. How much pizza does Suzie have left?
34. McKenzie went shopping for shoes. She spent \$50 out of her savings account which had \$225. How much does she have left?
35. TJ had \$100. He spent \$62.36 on a PS2 game. How much money does TJ have left?

## FIFTH GRADE

### SEPARATE CHANGE UNKNOWN

1. 5<sup>th</sup> grade saved 8 lbs. of pop tabs. They donated some to the 4<sup>th</sup> grade. Now they have 4 lb. 8 oz. left. How much did they donate?
2. There were 2,597 iguanas singing in the gym. Some of the iguanas got sore throats and couldn't sing. There were still 943 singing iguanas. How many iguanas had sore throats?
3. Joe started out with 67 marbles. He has lost some. Now he has 49 marbles left. How many did he lose?
4. Carol has 149 stickers. She gives some to her sister. Now she has 47 left. How many did she give to her sister?
5. At the beginning of the school year we had 115 math books. As the school year went on, we lost some books. If we have 97 books, how many did we lose?
6. 102 children were playing at recess. Some children went in. Now there are 12 pairs of kids at recess. How many children went in?
7. Tom went to the store. He had \$13.99 before he left and had \$8.75 when he got home. How much did he spend?
8. Matthew had 72 pieces of candy. If he gives each student 4 pieces of candy, how many students are in the class?
9. The girls collected  $6\frac{2}{3}$  bags of leaves. Some leaves blew away on the way home. Now they have  $5\frac{1}{2}$  bags. How many bags of leaves blew away?
10. Zach had an 8 ft. board. He cut off a piece to fit the doghouse. The remaining piece was  $3\frac{1}{2}$  ft. How long is the piece he cut off?
11. Ricky went shopping and started with \$25.00 He spent some money. Now he has \$3.89 left. How much money did Ricky spend?
12. Alex had \$6.12. He bought some food at the concession stand and has \$3.02 left. How much did he spend?
13. Jan has \$15.04 to buy a toy. After she bought it she has \$4.23 left. How much did her toy cost?
14. Gene had 265 baseball cards and he gave some to John. Now he has 137 cards left. How many cards did he give John?
15. Emily has 10 books to read for Reading Olympics. She has read some of the books. She has  $6\frac{1}{2}$  books left to read. How many books has Emily read?
16. Kyle had \$75 in savings. His sister Hillary needed a loan and now he has \$47.25. How much did he give to Hillary?
17. Laura had 1,579 erasers. She gave some to Josh. Now she has 804 left. How many erasers did Laura give Josh?
18. 312 kids were out at recess. Some went in to lunch. There were 172 still on the playground. How many went to lunch?
19. Scott had \$75.00. He spent some money on new jeans. He has \$35.20 left. How much did he spend on his jeans?

## FIFTH GRADE

### SEPARATE CHANGE UNKNOWN (CONT.)

20. Karen has 20 pints of pop. She drinks some after school. Now she has  $17\frac{1}{2}$  pints. How much did she drink after school?
21. Kelly had 902 stickers in an album. She gave some to her friends. Now she has 527 stickers. How many did she give away?
22. Chad has \$21.50. He buys a video game. He now has \$4.53 left. How much was the video game?
23. Eric had \$20.00. He spent  $\frac{1}{4}$  of it on a game. How much did he spend?
24. Amy has 6 rulers. Then she found some more in her desk. Now all of her rulers together measure 96 inches. How many rulers did she find?
25. 15 players were on the field for practice. Some more came to practice and now there are 33. How many players were late?
26. The Smiths had \$75 for souvenirs at the Nuggets game. They bought some souvenirs when they were done shopping and had \$17.50 left. How much did they spend?
27. There were 12 pieces of pizza. Some pieces were eaten. Now there are  $3\frac{1}{2}$  pieces left. How many were eaten?
28. The Smiths went to a basketball game. They brought \$\_\_\_\_. They bought souvenirs for the family. They had \$\_\_\_\_ when they got home. How much did they spend?
29. The Johnsons brought \$100 for the souvenir stand. They bought some shirts. They had \$18 left. How much did they spend?
30. 15 players were at Football practice. Some more players came and now there are 49. How many players came later?
31. 15 players were on the field for practice. Some more came to practice and now there are 49. How many were late?
32. 18 children were at Grandma Thyen's birthday party. Some came for cake. Now there are 32 at the party. How many came for just cake?
33. Suzie had  $1\frac{1}{2}$  pizzas. She gave some to Bobby. Now she has  $\frac{2}{3}$  pizza left. How much pizza did she give to Bobby?
34. Kaitlin took \$25 to the fair. She spent some money for tickets. Now she has \$13.50 left. How much did her tickets cost?
35. Jon's mom baked 79 cookies. After Jon and his buddies ate the cookies there were 64 cookies left. How many cookies did Jon & his buddies eat?

## FIFTH GRADE

### SEPARATE START UNKNOWN

1. Lane is losing weight for wrestling. He lost 3 lbs. the first week, 2 lbs. the second week and 2 lbs. the third week. He can finally wrestle at 128 lbs. What did he weigh when he started?
2. Moiria the Pirate had a chest full of rubies, diamonds, and turquoise. She gave away 27 rubies, 116 diamonds, and 61 pieces of turquoise. Now she has 35 rubies, 201 diamonds and 17 pieces of turquoise left. How many jewels did Moiria have to start with?
3. The fifth grade class had some pop cans. They collected 167 more pop cans. The class has collected a total of 465 cans. How many cans did they start with?
4. Brad had some money. He spent \$17.97 on a CD. He has \$37.29 left. How much did he start with?
5. At the beginning of January the 5<sup>th</sup> graders had lots of AR points. After being challenged by the principal we worked hard to earn 2,500 points in January. If we have 6,483 points now, how many did we have when January started?
6. Max had some money. He spent \$327.56 on a video system. Now he has \$217.98. How much money did Max have to start with?
7. Trevor had some marbles in his bag. He lost 422 during the year. Now he has 137. How many marbles did he have to start with?
8. Nathan had some candy. Each of the 18 students got 6 pieces. How much candy did he have?
9. Dan had some money. He lost \$1,027. Then he lost another 27 cents. He ended up having \$1,026.73 left. How much money did he start with?
10. Sean started out with some pizzas. He gave  $1\frac{2}{6}$  of it away. Now he has  $\frac{4}{6}$  left. How much did he start with?
11. Miss Thompson had a measuring cup filled with Mt. Dew. She drank  $2\frac{1}{3}$  cups. Now she has 4 cups left. How many cups of Mt. Dew did she have to start with?
12. Allison had some money. She spent \$4.10 on a pair of earrings. She has \$.90 left. How much money did she have to start with?
13. The temperature dropped 21 degrees. It is now -5 degrees outside. What was the temperature before it dropped?
14. Shanna had some money in her checking account. She spent \$39,543.00 on a new car. Now she has \$1,483.00 left in her checking account. How much money did Shanna have to start with?
15. Kyle has some baseball cards. He gave 32 to Logan. Now he has 53 cards. How many did Kyle start with?
16. Teresa's book has a certain number of pages. She's read 114 pages. Now she has 98 pages left. How many pages does her book have?
17. Mike bought a large soda. He drank 32 oz. in the morning. Now he has 24 oz. left. How many ounces did Mike's soda start with?
18. Kristina read some pages to meet her reading goal. She read 789 pages before break and 1161 pages after break to reach her goal. What was her goal?

## FIFTH GRADE

### SEPARATE START UNKNOWN (CONT.)

19. Karen and Sue have some pop. They drank  $2\frac{1}{2}$  pints together. They have  $17\frac{1}{2}$  pints left. How much pop did they have in the beginning?
20. Jody bought some pants for \$51.75. He now has \$32.08. How much did he have to start?
21. Chad has some money. He bought a video for \$16.97. He now has \$4.53 left. How much did Chad start with?
22. Eric had some money. He spent  $\frac{1}{4}$  of it. Now he has \$6.00. How much money did Eric start with?
23. Carla has a package of gum. She gave  $\frac{1}{6}$  of the package away in class and she has 46 left. How many pieces of gum did she have to start with?
24. Jon has some tennis balls. He took out 23. Now there are 17. How many tennis balls were there to start with?
25. The Smiths had some money when they went to the nuggets game. They bought concessions and souvenirs for \$82.50. Now they have \$8.75. How much did they take to the game?
26. Adam has some money. He spends \$4.89 and now he has \$2.13 left. How much did he start with?
27. The Jones' went to a ball game with some money. They spent \$\_\_\_\_\_ at the game. They had \$\_\_\_\_\_ left when they got home. How much more money did they take to the game?
28. The Johnsons had some money when they went to the Nugget game. They spent \$71 while there. They brought home \$45. How much did they take to the game?
29. There were balls in the locker room. The girls took out 15 and there were 19 left in the locker room. How many balls were there to start with?
30. Some footballs were in the bag. The players took out 15 and now there are 29. How many were there to begin with?
31. Some tennis shoes were in the box. 12 got taken out. Now there are 10 in the box. How many were in the box to start with?
32. Suzie had some pizza. She gave  $\frac{2}{3}$  of her pizza to Bobby. Now she has  $\frac{5}{6}$  of her pizza left. How much pizza did Suzie have to start with?
33. Justice gave his 2 friends each 7 baseball cards. He now has 10 left. How many cards did he have to begin with?
34. Max has some money. He spent \$24 on a video game, \$13 on junk food and \$2.50 on a magazine. Now he has \$12.50. How much money did he start with?

## FIFTH GRADE

### PART-PART-WHOLE – WHOLE UNKNOWN

1. The 1<sup>st</sup> graders at Wall school used 1,078 crayons last year. The 2<sup>nd</sup> graders used 936 crayons. How many crayons did the 1<sup>st</sup> and 2<sup>nd</sup> graders use in all?
2. Harmony's Zoo has 114 wombats, 23 zebras, and 7 water buffalo. How many animals does Harmony's Zoo have?
3. Henry delivers 112 papers. His cousin Enrique delivers 219 papers. How many papers do they deliver in all?
4. Jim's dog weighs 29.2 lbs. and Joe's dog weighs 47.9 lbs. How much do the two dogs weigh together?
5. There are 23 students in Mrs. Kreutz's class, 25 students in Mrs. McQuirk's class, 22 in Mrs. Heltibridle's class, 26 in Mrs. Gutierrez's class and 24 in Mrs. Urbaniak's class. How many students are in the 5<sup>th</sup> grade?
6. Pizza Hut delivered 127  $\frac{1}{2}$  pepperoni pizzas, 153  $\frac{1}{2}$  sausage pizzas, 217  $\frac{3}{4}$  cheese pizzas, 73  $\frac{1}{4}$  supreme pizzas & 132  $\frac{1}{2}$  taco pizzas last month. How many pizzas did they deliver?
7. Tanya has 4,289 ounces of cat food. She has 3,925 ounces of dog food. How many ounces of pet food does she have?
8.  $\frac{5}{8}$  of the students are right handed.  $\frac{3}{8}$  are left handed. If 18 students are left handed, how many students are in the class.
9. There were 3,657 red marbles and 1,027 green marbles in a box. How many marbles are in the box?
10. We have 167 girls at Longfellow. There are 139 boys at Longfellow. How many students are at Longfellow?
11. Allysa has 13 male dogs and 17 female dogs at her vet clinic. How many dogs does she have?
12. Ms. Wangerin has 13 girls in her class. She has 11 boys. How many students in Ms. Wangerin's class.
13. A chef used  $\frac{1}{2}$  cup of water,  $\frac{1}{8}$  cup of orange juice, and  $\frac{3}{4}$  cup of milk. How many cups of ingredients did she use?
14. Jewel Cave is 54.4 miles in length. Organ Cave is 32.0; Wind Cave is 28.7; Cumberland Caverns is 23.2; Sloan Valley is 22.4 & Crevice Cavern is 20.8. How long are the caves all together?
15. The class earned a pizza party. They had 5 cheese pizzas and 3  $\frac{2}{3}$  Supreme pizzas. How many pizzas did the class eat?
16. Kyle has 23 jaw breakers and 13 suckers. How much candy does he have?
17. Josh has  $\frac{2}{3}$  of the cake and Todd has  $\frac{2}{9}$  of the cake. How much of the cake do they have in all?
18. There are 80 fifth graders and 114 fourth graders on this side of the building. How many students are there altogether?
19. The class ate  $\frac{11}{12}$  of the cheese pizza and  $\frac{9}{12}$  of the pepperoni pizza. How much pizza did they eat?
20. The air flight from Denver to Sioux Falls is 1 hr. 40 min. The flight from Sioux Falls to New York is 3 hrs. 45 min. What is the total flying time?
21. There are 167 boys in the lunch room. There are 79 girls in the lunchroom. How many children are in the lunch room?

## FIFTH GRADE

### PART-PART-WHOLE – WHOLE UNKNOWN (CONT.)

22. One class of 5<sup>th</sup> graders consists of 18 boys and 14 girls. How many kids are in the class?
23. Zach has  $\frac{1}{5}$  of 20 baseball cards and  $\frac{2}{6}$  of 30 football cards. How many cards does he have?
24. Dayton has  $\frac{1}{4}$  of an apple pie and  $\frac{2}{3}$  of a blueberry pie. How much of a total pie does Dayton have now?
25. There are 16 girls' basketballs and 19 boys' basketballs on the gym floor. How many balls are on the floor?
26. Carmello shot 28 two point shots. He also shot 12 three point shots. How many shots did he attempt?
27. There are 92 kids in the elementary school and 109 kids in the high school. How many kids are in the buildings?
28. Koby shot 21 2-point shots. He shot 11 3-point shots. How many shots did he take?
29. LaBron scored 32 points on Monday night and 27 points on Tuesday night. How many points did he score over the 2 nights?
30. There are 21 girls BB on the floor. There are 17 boys BB on the floor. How many balls on the floor?
31. There are 17 tennis balls and 14 footballs in the box. How many balls are in the box?
32. There are 15 calves in the north pen. In the barn there are 17 calves. How many calves are on the farm?
33. Suzie had  $\frac{2}{3}$  pepperoni pizza and  $\frac{5}{6}$  cheese pizza. How much pizza does she have?
34. Bailey has money saved at home and money in the bank. She has \$35 in change & \$120 in cash at home. She also has \$115 in the bank. How much money does she have?
35. At the basketball tourney, Canton brought 12 players, Lennox brought 11, Parker brought 8 players and Beresford brought 9 players. How many players were at the tourney?



## FIFTH GRADE

### PART-PART-WHOLE – PART UNKNOWN

1. \$215 has been collected by the 4<sup>th</sup> & 5<sup>th</sup> grade to buy new playground equipment. The fourth grade collected \$144. How much \$ was collected by the 5<sup>th</sup> grade?
2. There is 72.42 pounds of candy. Thirty one and four tenths pounds are chocolate turtles. How many pounds of the candy are the lemon taffy pieces?
3. On weekends, Henry delivers 257 papers. 119 of those papers are Sunday papers. How many are Saturday papers?
4. Fair attendance on Friday and Saturday was 7,926. If 4,339 attended on Friday, how many attended on Saturday?
5. There are 114 students in the 5<sup>th</sup> grade. 43 of them are boys, how many are girls?
6. There were 8 questions on Logan's quiz. Logan got  $\frac{7}{8}$  of his answers on his math test correct. He got the rest of the answers wrong. What percentage of the test did he get wrong? What was his score on the test?
7. Miss McLaughlin has 8 classes to grade. She has 720 students. How many students are in each class?
8. Every package of jolly gobs has 48 gobs. If  $\frac{5}{8}$  are red, how many are blue?
9. Pizza Hut made 672 pizzas on Tuesday. One half of the pizzas were cheese. How many pizzas were not cheese?
10. There are 237 students at Longfellow. 148 students are girls. The rest are boys. How many are boys?
11. Kaesay has 48 cookies. Thirty percent are chocolate chip and the rest are peanut butter. How many peanut butter cookies does Kaesey have?
12. Ms. Wangerin has 24 students. Seventeen students decided not to play in band. How many students play in the band?
13. Jeff has 5 meters of twine  $3\frac{3}{4}$  meters are yellow and the other is black. How many meters are black?
14. Gene has 265 baseball cards. 157 are of American League players and the rest are of National League players. How many National League players does he have?
15. Lane had 3 basketballs. 1 is green and the rest are brown. How many brown basketballs does Lane have?
16. Logan has 73 baseball cards. 27 are from the National League and the rest are from the American. How many cards are from the American League?
17. There are 432 people in our school. 34 of them are teachers, the rest are students. How many students are in our school?
18. There are 582 kids at Hayward. 123 have a male teacher. The rest do not. How many have a female teacher?
19. 90% of the class went to the show Fiddler on the Roof. 68% of the kids had never seen it before. What percent had seen it before?
20. The trip to Denver to Sioux Falls to New York is 5 hrs. 25 min. The flying time from Sioux Falls to New York is 3 hrs. 45 min. The rest of the time was from Denver to Sioux Falls. What was the flying time?

## FIFTH GRADE

### PART-PART-WHOLE – PART UNKNOWN (CONT.)

21. There is 150 meters of wrapping paper in a box. 61 meters, 9 cm of it is red. The rest is green. How much wrapping paper is green?
22. There are 32 kids in a 5<sup>th</sup> grade class. 18 are boys. How many are girls?
23. Austin scored 20 points in the basketball game. He scored  $\frac{2}{5}$  in the 1<sup>st</sup> half. How many points did he score in the 2<sup>nd</sup> half?
24. Natalie has 1 group of playground balls.  $\frac{1}{4}$  of them are soccer balls and the rest are basketballs. What fraction are the basketballs?
25. There are 31 balls in the box. 19 are boys' basketballs. How many are girls' basketballs?
26. Carmello shot 54 times against the Celtics. He missed 26 shots. How many shots did he make?
27. There are 587 bikes in Rosholt. 51 are new. How many are used?
28. Carmello shot 54 times against the Bulls. He missed \_\_\_\_\_ times. How many shots did he make?
29. Carmello shot 54 times against the Bulls. He missed 21 shots. How many shots did he make?
30. There are 8 home boys BB games. There are some girls BB games at home. How many girls games at home?
31. There are 47 balls in the box. 17 of them are footballs, the rest are basketballs. How many are basketballs?
32. There are 32 calves on the farm. If 17 are in the barn, how many are in the outside pen?
33. Suzie has 1  $\frac{1}{2}$  pizzas.  $\frac{2}{3}$  of them are pepperoni and the rest are cheese. How much pizza is cheese?
34. Shanya walked her dog twice as long on Wednesday as compared to Tuesday. Tuesday was 45 minutes. She also walked her dog on Thursday. The total time spent walking her dog was 2 hours. How many minutes did she walk her dog on Thursday?
35. There were 49 football players. 16 wore Nike, 16 wore Adidas and the rest were Reebok. How many players wore Reebok?

## FIFTH GRADE

### COMPARE DIFFERENCE UNKNOWN

1. Paul has \$246 in his savings account. Nancy has \$138 in her savings account. How much more \$ is in Paul's savings account?
2. Jessica read 1918 pages for reading. Mandi read 6,475 pages. How many less pages did Jessica read than Mandi?
3. John ran 3.4 miles. Cindy ran 6.2 miles. How much farther did Cindy run than John?
4. Jim did homework for  $2\frac{1}{2}$  hours. Carl did homework for  $1\frac{3}{4}$  hours. How much longer did Jim work than Carl?
5. Fluffy, one of the pets at the pet store, has been sick. The owners have been watching the animal's weight pretty closely to see if it is gaining or losing weight. Last Friday, Fluffy weighed 1.49 pounds. One week later, fluffy weighed 1.482 pounds. Has fluffy gained or lost weight?
6. Susan has 12,810 rocks. Jack has 7,190 rocks. How many more rocks does Susan have than Jack?
7. Dan had 3 lbs. of meat. He cooked 2 lbs. How many ounces of meat are uncooked?
8. Cheyenne has  $5\frac{1}{2}$  yards of cloth. Kara has  $3\frac{5}{8}$  yards of cloth. How much more cloth does Cheyenne have?
9. Bill has  $4\frac{5}{8}$  bags of candy. Jim has  $5\frac{2}{8}$  bags of candy. How much more candy does Jim have?
10. Sam ran 6.7 miles. Kayla ran  $\frac{3}{4}$  miles. How much farther did Sam run?
11. Luke has 3 pounds of hamburger. Levi has 1 lb. 3 oz. of hamburger. How much more hamburger does Luke have than Levi?
12. Larissa has \$51.32. Brady has \$49.87. How much more money does Larissa have than Brady?
13. Frank has \$3.25. Phil has \$1.98. How much more money does Frank have than Phil?
14. Becca has \$400.00. Rachele has \$398.57.00. How much more money does Becca have than Rachele?
15. Logan has 55 baseball cards. Matthew has 3 times as many. How many cards do the boys have all together?
16. Taylor has 96 video games. Cal has 37 games. How many more video games does Taylor have?
17. Skylar has \$56.00. Emily has \$31.00. How much more money does Skylar have than Emily?
18. Alex completed the mile race in 15.30. Brandon finished in 14.18. How much faster did Brandon complete the mile?
19. The snowfall at midnight was 8.14 in. in Sioux Falls. In Minneapolis, the snowfall at midnight was  $\frac{12}{5}$  in. How much more snow is in Minneapolis than Sioux Falls?
20. Dane ate  $\frac{2}{3}$  of a candy bar. Xada ate  $\frac{1}{5}$  of a candy bar. How much more did Dane eat than Xada?
21. Chad has \$47.36. Kris has \$32.15. How much more money does Chad have than Kris?
22. Chris has  $\frac{2}{5}$  of the 45 card collection and Brett has  $\frac{3}{9}$  of the collection. How many more cards does Chris have?

## FIFTH GRADE

### COMPARE DIFFERENCE UNKNOWN (CONT.)

23. Out of 1 whole pizza, Brannon gets  $\frac{1}{4}$  of the pizza and Garrett gets  $\frac{3}{4}$  of the pizza. How much more of the pizza does Garrett get than Brannon?
24. Ralph has 17 points. Lucy has 8 points. How many more points does Ralph have than Lucy?
25. Carmello scored 48 points. Lebraun scored 39 points. How many points did Carmello score?
26. Theresa has  $4\frac{1}{4}$  pencils. Bridget has  $2\frac{7}{8}$  pencils. How many more does Theresa have?
27. Evan scored \_\_\_\_\_ points. Tate scored \_\_\_\_\_ points. How many more points did Evan score than Tate?
28. LaBron scored 42 points. Carmello scored 36 points. How many more points did LaBron score than Carmello?
29. Chad has 15 points and Sarah has 6 points. How many more points does Chad have?
30. John has 17 points. Lucy has 8 points. How many more points does John have than Lucy?
31. Jason has 5 calves. Ryan has 7 calves. How many more calves does Ryan have than Jason?
32. Suzie has  $1\frac{1}{2}$  pizzas. Bobby has  $6\frac{1}{4}$  pizzas. How much more pizza does Bobby have than Suzier?
33. Rylee donated \$45 to Children's Miracle Network. Morgan and Katie each donated \$12 apiece. How much more money did Rylee donate than Morgan & Katie?
34. Tom has 2,176 baseball cards. Paul has 1,662 baseball cards. How many more basketball cards does Tom have?

## FIFTH GRADE

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

1. Torrie had 21 points in the basketball game. Jaymie had 8 fewer points than Torrie. How many points did Jaymie have?
2. Charlie and Savannah had 172 stuffed animals. Hayley has 47 more animals than Charlie and Savannah. How many stuffed animals does Hayley have?
3. Susan has \$1.67. Alberto has \$3.56 more than Susan. How much money does Alberto have?
4. Jan is 56 inches tall. Dan is 7 inches taller than Jan. How tall is Dan?
5. 6<sup>th</sup> grade has 7,849 AR points. Fifth grade has 345 more points than 6<sup>th</sup> grade. How many points does 5<sup>th</sup> grade have?
6. Jack has 7,190 rocks. Susan has 5,620 more rocks than Jack does. How many rocks does Susan have?
7. Erik is 5 ft. 3 in. Gus is 4 ft. 8 in. How many more inches taller is Erik than Gus?
8. Kara has 3  $\frac{2}{3}$  ft. of rope. Dylan has twice as much. How many feet of rope does Dylan have?
9. Dan had 6.756 points in the game. Jim had 7.801 more points than Dan. How many points did Jim have?
10. Kara's pencil is 7.7 cm. long. Monica's pencil is 3.4 cm longer than Kara's. How long is Monica's pencil?
11. Miss Thompson has 19 students in her classroom. Mr. Moody has 7 more students. How many students does Mr. Moody have?
12. Tyler has \$50.06. Alyssa has \$39.99 more than Tyler. How much money does Alyssa have?
13. Nancy's time in the 100 meter dash was 13.234 seconds. Jenny's time was 0.763 faster than Nancy's. What was Jenny's time?
14. Gene has 265 baseball cards. John has 3 times more than Gene. How many cards does John have?
15. Bob has finished reading 5 books. John has read 3  $\frac{1}{2}$  more books than Bob. How many books has John read?
16. Victoria has a box of 268 beads. Jena has 627 more than Victoria. How many beads does Jena have?
17. Jeremy has 7  $\frac{1}{4}$  pieces of gum. Trish has 4  $\frac{1}{2}$  more pieces than Jeremy. How many pieces of gum does Trish have?
18. Jamie has 52 pounds of books in her bag. Mariah has 14 pounds less than Jamie. How heavy is Mariah's bag?
19. Sara got 98% on her math test. Scott had 82%. How much higher was Sara's percent?
20. Sioux Falls has  $\frac{8}{14}$  in. of snow. Minneapolis has 4.36 in. more than Sioux Falls. How many more inches does Minneapolis have?
21. Carter has 57 e-mails in his inbox. Ashley has 61 more than Carter. How many e-mails does Ashley have?
22. Kris has \$32.15. Chad has \$15.21 more than Kris. How much money does Chad have?

## FIFTH GRADE

### COMPARE QUANTITY (COMPARED SET) UNKNOWN

23. Kassy has  $\frac{3}{5}$  of her 20 pictures in a scrapbook. Keshia has 8 more than Kassy. How many pictures does Keshia have?
24. Carlyn has 6 feet of the tape measure and Sue has 24 more inches than Carly. How many feet of the tape measure does Sue have?
25. Sam has 25 points. Fred has 6 more points than Sam. How many points does Fred have?
26. Carmello scored 37 points. Kolby Bryant scored 12 more points. How many points did Kolby score?
27. Taylor has \$2.37. Walker has \$1.73 more than Taylor. How much does Walker have?
28. Matt has \$23.19. Alexis has money too but she has \$2.58 less. How much does Alexis have?
29. Matt spent \$\_\_\_\_\_ on a t-shirt. Luke spent \$\_\_\_\_\_ more on his shirt. How much money did Luke spend?
30. LaBron had 14 rebounds. Carmello has 3 fewer rebounds. How many rebounds did Carmello have?
31. Paul has 7 jerseys. Nick has 2 more jerseys. How many jerseys does Nick have?
32. Fred has 4 fouls. Willie has 3 more fouls than Fred. How many fouls does Willie have?
33. Sara has 5 calves. Sam has 3 more than Sara. How many calves does Sam have?
34. Suzie has  $1\frac{1}{2}$  pizzas. Bobby has  $4\frac{3}{4}$  more than Suzie. How much pizza does Bobby have?
35. Molly has \$10. Meghan has \$32.50 more than Molly. How much money does Meghan have?
36. Tom has 2,176 baseball cards. Paul has 562 less. How many does Paul have?

## FIFTH GRADE

### COMPARE REFERENT SET UNKNOWN

1. Lane got 98% on his math test. He got 9% more than Clancy. What did Clancy get on his test?
2. The gym has 653 basketballs. The gym has 237 more basketballs than the after school games program. How many basketballs does the after school games program have?
3. Betty has 167 photographs. She has 79 more than Juan. How many photographs does Juan have?
4. The population of Piedmont is 897. Piedmont's population is 952 less than Black Hawk. How many people live in Black Hawk?
5. At SWMS 493 kids want the Bears to win the Super Bowl. That is 138 more fans than the Colts. How many students are rooting for the Colts?
6. Susan has 12,810 rocks. She has 5,620 more rocks than Jack does. How many rocks does Jack have?
7. Peg has 42 math problems. She has 18 more than Connie. How many does Peg have?
8. Tyler has \$10.50. Zachary has 3 times as much. How much money does Zachary have?
9. Tim has 80 donkeys. He has 32 more donkeys than Mark. How many donkeys does Mark have?
10. Rylie grew  $\frac{7}{8}$  of an inch this year. He grew  $\frac{1}{4}$  of an inch more than Gunnar. How much did Gunnar grow?
11. The giraffe is 18 feet tall. She is 3 times as tall as the kangaroo. How tall is the kangaroo?
12. John has \$96.12. He has \$50.00 more than Jalen. How much money does Jalen have?
13. Jim has  $\frac{3}{4}$  pound of candy. Jenny's family has  $1\frac{5}{8}$  pounds of candy. How many more pounds of candy does Jenny's family have?
14. Gene has 265 baseball cards. He has 167 more than John. How many cards does John have?
15. Jerry has \$865.00. He has \$35.26 more than Bill. How much money does Bill have?
16. Jena has 896 beads. She has twice as many as Sachiko. How many beads does Sachiko have?
17. Angie has \$23.79. She has \$14.25 more than Colleen. How much money does Colleen have?
18. Sabrina has 151 reading minutes recorded. She has 37 more minutes than Ryan. How many reading minutes does Ryan have recorded?
19. Catie read 1438 pages second semester. She read 321 pages more than Jacob. How many pages did Jacob read?
20. Minneapolis receives 12.5 inches of snow. Minneapolis received 4.36 in. more snow than Sioux Falls. How many inches of snow has Sioux Falls received?
21. Mitch has 3 qt. 1 c. of juice. He has 8 more c. than Kennedy. How much juice does Kennedy have?
22. Chad has \$47.36. He has \$15.21 more than Kris. How much money does Kris have?
23. Zach has  $\frac{4}{7}$  of 56 Game Boys. He has 8 more than Tyler. How many does Tyler have?

## FIFTH GRADE

### COMPARE REFERENT SET UNKNOWN

24. Billy has  $\frac{2}{3}$  of the marbles. He has  $\frac{1}{3}$  more marbles than June. What fraction of the marbles does Jane have?
25. Jill has 17 rebounds. She has 8 more than Sarah. How many rebounds does Sarah have?
26. Carmello averages 28.5 points per game. He averages 8.2 more points than Kurt Heinrich. How many points does Kurt average?
27. Alison has \$20.50. Alison has \$2.75 more than Vanessa. How much does Vanessa have?
28. Rebecca has  $231\frac{1}{2}$  songs on her MP3 player. That is 52 less than Taryn. How many songs does Taryn have?
29. Matt spent \$\_\_\_\_\_ on a team poster. He spent \$\_\_\_\_\_ more than Luke. How much did Luke spend?
30. Carmello scored 47 points. He scored 11 more than Kobe. How many did Kobe score?
31. Joni had 15 points. She has 5 more than Lucy. How many points does Lucy have?
32. Sally has 47 rebounds. She has 6 more than Mia. How many rebounds does Mia have?
33. Alex has 7 calves. He has 3 fewer than Sam. How many calves does Sam have?
34. Bobby has  $6\frac{1}{4}$  pizzas. He has  $4\frac{3}{4}$  more pizza than Suzie. How much pizza does Suzie have?
35. Michael has 25 X-Box games. He has 7 more than Adam and Jon. Adam & Jon each have the same number of games. How many games do Adam & Jon have?
36. Tom has 2,176 baseball cards. He has 562 more baseball cards than Paul. How many baseball cards does Paul have?



## CONTRIBUTORS

Teacher	District	Grade Level
Linda Norman	Douglas	Kindergarten
Brandy Vavruska	Spearfish	Kindergarten
Cari Frasier	Meade	Kindergarten
Cindy Stofferahn	Meade	1 <sup>st</sup> Grade
Laurie Foust	Harding County	1 <sup>st</sup> Grade
Colleen Hardesty	Belle Fourche	2 <sup>nd</sup> Grade
Mary Cook	Meade	2 <sup>nd</sup> Grade
Samantha Weaver	Oelrichs	2 <sup>nd</sup> Grade
Lorri Schleuning	Douglas	2 <sup>nd</sup> Grade
Pam Gunner	New Underwood	3 <sup>rd</sup> Grade
Annie	Spearfish	3 <sup>rd</sup> Grade
Carol Halter-Waider	Meade	4 <sup>th</sup> Grade
Nancy Mulcahy	Hot Springs	4 <sup>th</sup> Grade
Sherry Getteony	Meade	4 <sup>th</sup> Grade
<b>Teacher</b>	<b>District</b>	<b>Grade Level</b>
Samra Trask	Wall	5 <sup>th</sup> Grade
Helen Walker	Douglas	5 <sup>th</sup> Grade
Doreen Schultz	Edgemont	5 <sup>th</sup> & 6 <sup>th</sup> Grade
Connie Berg	Meade	5 <sup>th</sup> Grade
Pam Heltibridle	Meade	5 <sup>th</sup> Grade
Julie Hatling	Belle Fourche	5 <sup>th</sup> Grade
Joleen Mueller	Mt. Vernon	2 <sup>nd</sup> Grade
Deb Ogle	Platte	3 <sup>rd</sup> Grade
Holly Mosterd	Platte	3 <sup>rd</sup> Grade
Kelsey VanOverschelde	Ethan	3 <sup>rd</sup> Grade
Sherry Opbroek	Burke	3 <sup>rd</sup> Grade
Kristen Jacobsen	Gregory	3 <sup>rd</sup> Grade
Mark Gemar	Tripp/Delmont	4 <sup>th</sup> Grade
Debra Hodges	John Paul II	4 <sup>th</sup> Grade
Delesa Bosworth	White Lake	4 <sup>th</sup> Grade
Sheryl Muckey	Corsica	4 <sup>th</sup> Grade
Connie McLaughlin	Wessington Springs	5 <sup>th</sup> Grade
Rose Hertz	Menno	5 <sup>th</sup> Grade
Desirae Surat	Chamberlain	5 <sup>th</sup> Grade
Karen Westerman	Mitchell - Longfellow	5 <sup>th</sup> Grade
Jolene Thompson	Mitchell - Gerlie Belle Rogers	5 <sup>th</sup> Grade
Dodie Wangerin	Mitchell - LB Williams	5 <sup>th</sup> Grade
Todd Dvoracek	Wagner	5 <sup>th</sup> Grade
Gail Goehring	Mitchell Christian	5 <sup>th</sup> Grade
Renee Sherman	Colome	5 <sup>th</sup> Grade
Michelle Karst	Plankinton	5 <sup>th</sup> Grade
Shalece Beier	Sioux Falls	Kindergarten
Stacy Stefani	Sioux Falls	Kindergarten
Crisse McCormick	Sioux Falls	Kindergarten
Terina Smith	Sioux Falls	Kindergarten
Sue Hodne	Sioux Falls	Kindergarten
Donna Howes	Sioux Falls	1 <sup>st</sup> Grade
Roxie Ahlbrecht	Sioux Falls	2 <sup>nd</sup> Grade
Nancy Krueger	Sioux Falls	2 <sup>nd</sup> Grade
Kathy Holter	Sioux Falls	2 <sup>nd</sup> Grade
Julie Moncur	Sioux Falls	2 <sup>nd</sup> Grade
Pam Espeland	Sioux Falls	3 <sup>rd</sup> Grade
Melissa Frein	Sioux Falls	3 <sup>rd</sup> Grade
Ann Gibson	Sioux Falls	3 <sup>rd</sup> Grade
Becky Eeten	Sioux Falls	3 <sup>rd</sup> Grade
Wade Helleson	Sioux Falls	3 <sup>rd</sup> Grade
Cathie Vortherms	Sioux Falls	3 <sup>rd</sup> Grade
Heidi Devlin	Sioux Falls	3 <sup>rd</sup> Grade
Peg Brooks	Sioux Falls	4 <sup>th</sup> Grade
Karen Breuer	Sioux Falls	4 <sup>th</sup> Grade
Jacinta Holzwarth	Sioux Falls	4 <sup>th</sup> Grade
Amy Knutson	Sioux Falls	4 <sup>th</sup> Grade

## CONTRIBUTORS

Teacher	District	Grade Level
Greg Schmitz	Sioux Falls	4 <sup>th</sup> Grade
Angela Thill	Sioux Falls	5 <sup>th</sup> Grade
Mike Groher	Sioux Falls	5 <sup>th</sup> Grade
Tina Lippert	Sioux Falls	5 <sup>th</sup> Grade
Sue Greeno	Sioux Falls	5 <sup>th</sup> Grade
Lindy Bell	Sioux Falls	5 <sup>th</sup> Grade
Kris Dunlap	Sioux Falls	5 <sup>th</sup> Grade
Narcel Clark	McIntosh	Kindergarten
Tanya Ford	Mobridge	Kindergarten
Jackie Richey	Bowdle	1 <sup>st</sup> Grade
Sarah Crance	Timber Lake	1 <sup>st</sup> Grade
Maarlene Gustafson	Faith	2 <sup>nd</sup> Grade
Lori Mullen	Smee	3 <sup>rd</sup> Grade
Marilyn Anderson	Mobridge	5 <sup>th</sup> Grade
Sara Gebhart	Isabel	5 <sup>th</sup> Grade
Dorla Jacobson	Big Stone City	3 <sup>rd</sup> Grade
Sharon Mack	Waverly	2 <sup>nd</sup> Grade
Janelle Wollschlager	Grant-Deuel	5 <sup>th</sup> Grade
Tricia Holland	Laura Ingalls Wilder Elementary (DeSmet)	Title 1
Danelle Kenninger	Chester	5 <sup>th</sup> Grade
Dawn Gross	Florence	2 <sup>nd</sup> Grade
Stephanie Hageman	Lake Preston	Kindergarten
Robin Taylor	Deubrook	Spec. Ed.
Cristy Olsen	Deubrook	Spec. Ed.
Nikki Amundson	Waubay	3 <sup>rd</sup> Grade
Lisa Carson	Langford	3 <sup>rd</sup> Grade
Jody Carl	Rosholt	5 <sup>th</sup> /6 <sup>th</sup> Grade
Linda McDaniel	Hillcrest Elem. (Brookings School District)	1 <sup>st</sup> Grade
Pat Renner	Britton-Hecla	2 <sup>nd</sup> Grade
Beth Renner	Sunset Colony (Britton-Hecla School District)	K-3
Teresa Bortnem	Medary Elementary (Brookings School District)	3 <sup>rd</sup> Grade
Suzy Gehring	Central Elementary (Brookings School District)	2 <sup>nd</sup> Grade
Angela Bly	Garretson	2 <sup>nd</sup> Grade
Tanna Swanson	Dell Rapids Middle School	5 <sup>th</sup> Grade
Cyndi Bergh	Tri Valley	5 <sup>th</sup> Grade
Dianne Reiff	Dell Rapids Elementary	1 <sup>st</sup> Grade
Lois Hyde	Castlewood	5 <sup>th</sup> Grade
Laurie Hulscher	Wilmot	5 <sup>th</sup> Grade
Sherry Holderby	Sioux Valley	5 <sup>th</sup> Grade
Tammy Mielitz	Koch Elementary (Milbank School District)	1 <sup>st</sup> Grade
Sheri Schneider	Hamlin Elementary	3 <sup>rd</sup> Grade
<b>Teacher</b>	<b>District</b>	<b>Grade Level</b>
Brenda Anderson	St. Lawrence (parochial school in Milbank)	4 <sup>th</sup> Grade
Sherry Solberg	Beresford	4 <sup>th</sup> Grade
Stephanie Light	Wakonda	1 <sup>st</sup> Grade
Glenda Knuth	West Central (Hartford)	1 <sup>st</sup> Grade
Brenda Jolley	Canistota	1 <sup>st</sup> Grade
Jacey Peters	Parker	5 <sup>th</sup> Grade
Carrie Schlim	Harrisburg Liberty Elementary	1 <sup>st</sup> Grade
Rebecca Wheeldreyer	Freeman	5 <sup>th</sup> Grade
Kari Smidt	Lennox	1 <sup>st</sup> Grade
Olive Scott	Alcester	4 <sup>th</sup> Grade
Shirley Rosenbaum	Elk Point	1 <sup>st</sup> Grade
Cheryl Prunty	West Central (Humboldt)	4 <sup>th</sup> Grade
Joan Allison	Tea Elementary	2 <sup>nd</sup> Grade
Joyce Weber	Marion	1 <sup>st</sup> Grade
Susan Schamber	Freeman Tschetter Colony	3 <sup>rd</sup> Grade
Laura Siebenborn	Bridgewater	5 <sup>th</sup> Grade
Laury Cusick	Jolley Elementary Vermillion	3 <sup>rd</sup> Grade
Dawn Plendl	Dakota Valley	Kindergarten
Troy James	Canton	5 <sup>th</sup> Grade
Kim Johnson	Austin Elementary Vermillion	1 <sup>st</sup> Grade

**Thank you to all the  
South Dakota Math Teacher Leaders  
for their story problem contributions.**

**“Making a difference in South Dakota K-5 Math”**

**SOUTH DAKOTA**

---

**KC<sub>1</sub>2<sub>3</sub>4<sub>5</sub>CS**

