Third Grade

Answer Key
Unit 9: Test Prep Review

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for navigation

Name _____

Problem of the Day

Lesson 1

Matt is thinking of a number with a 6 in the tens place and a 9 in the thousands place. Which of these numbers could be Matt's number?

A. 66,690
B. 29,600
C. 49,760
D. 76,090

Lesson 2

Hank is thinking of a number that rounds to 800. Which of the following could not be Hank's number?

A. 765
B. 804
C. 745
D. 797

Lesson 3

Patty's Popsicle Plant produced 245,700 popsicles. What is another way to say this number?

A. 2,457 ten thousands
B. 2,457 hundreds
C. 247 thousands
D. 2,457 tens

Lesson 4

Jake ran 200 miles over the summer. If Thomas ran 145 miles over the summer, how many more miles did Jake run than Thomas?

Answer: 55 miles

Lesson 5

Shelby counted 154 leaves on her back porch. Dawn counted 267 leaves on her back porch. About how many leaves did the two girls count in all?

A. 300
B. 420
C. 400
D. 350

Name _____

Problem of the Day

Lesson 6

Adrian collected 6 buckets of seashells. If Adrian placed 98 seashells in each bucket, how many seashells did Adrian collect?

Answer: 588 seashells

Lesson 7

Gail has 13 boxes of crayons. Each box contains 8 crayons. Which equation correctly shows how to determine the total number of crayons using partial products?

A. $8 \times 13 \rightarrow (8 \times 10) + (8 \times 8) = ?$

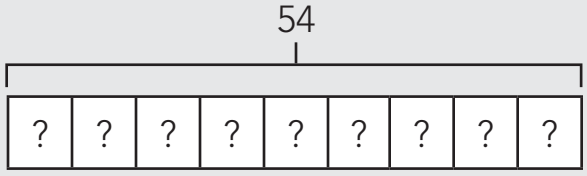
B. $8 \times 13 \rightarrow (8 \times 3) + (8 \times 13) = ?$

C. $8 \times 13 \rightarrow (8 \times 10) + (8 \times 3) = ?$

D. $8 \times 13 \rightarrow (8 \times 13) + (8 \times 10) = ?$

Lesson 8

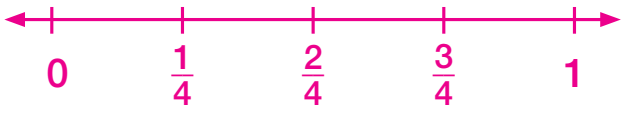
Examine the strip diagram and solve.



Answer: 6

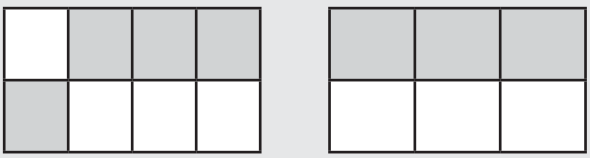
Lesson 9

Draw a number line to model an equivalent fraction to match the one modeled below.



Lesson 10

Compare the two models below. Use <, >, or, = to write a comparison.



$\frac{4}{8} = \frac{3}{6}$

Name _____

Problem of the Day

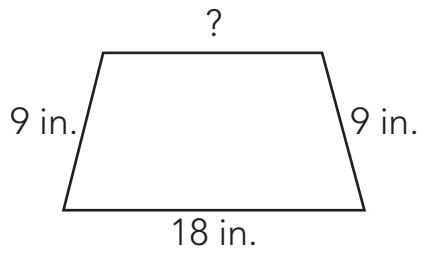
Lesson 11

Eli started his homework at 6:00. If he worked on math for 15 minutes, reading for 30 minutes, and science for 10 minutes, what time did Eli finish his homework?

Answer: 6:55

Lesson 12

If the perimeter of the figure below is 45 inches, what is the missing side?

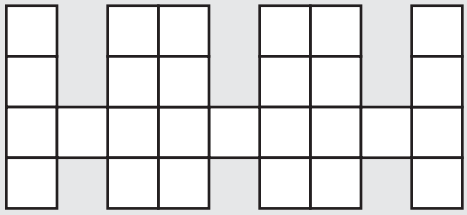


Answer: 9 in.

Lesson 13

Find the area of this figure.

□ = 1 sq. ft.



Answer: 27 sq. ft.

Lesson 14

Hayley wants to practice measuring capacity. Hayley can measure the capacity of all of the following except:

A. kitchen sink

B. water bottle

C. book

D. pool

Lesson 15

Josh and Mary sorted solid figures into two groups: those with 2 faces or fewer and those with more than 2 faces. Which group consists of solid figures that have 2 faces or fewer?

A. cube, cone, cylinder

B. cone, sphere, cylinder

C. rectangular prism, cone, and sphere

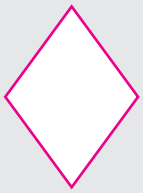
D. sphere, cylinder, triangular pyramid

Name _____

Problem of the Day

Lesson 16

Mark has a special quadrilateral that has all equal sides and two sets of parallel lines. The shape has no right angles. What special quadrilateral does Mark have? Draw a model and name the shape.



Answer: rhombus

Lesson 17

Abby needs to start saving money for a new car. If she saves $75 a month for the next 8 months, how much money will she save?

$600

Lesson 18

Martha wanted to buy a new TV for $380. If she saves $45 a week, how many weeks will she need to save her money in order to buy the TV?

Answer: 9 weeks

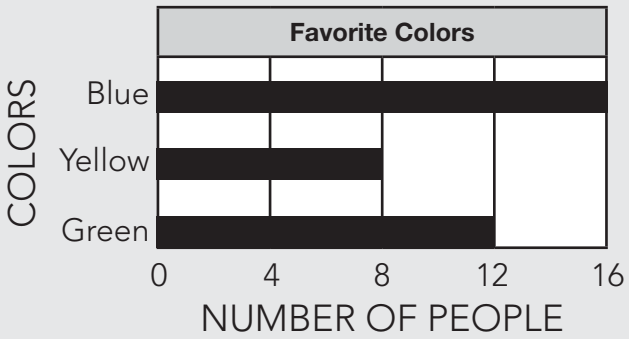
Lesson 19

The Lemonade Store sells freshly squeezed lemonade every day. One afternoon, the store realized they were not selling much lemonade. What should the store to do the price of the lemonade in order to sell more? Explain your thinking.

Sample answer: The store should decrease the price of lemonade.

Lesson 20

Examine the graph below.



How many more people chose blue over yellow?

8 people

How many people chose green?

12 people

Name _____

Pre-Assessment

Read each problem below and solve.

1. What place value is used to show that 54,060 is less than 55,006?

A. tens

B. hundreds

C. ten thousands

D. thousands

2. Zane planted 6 rows of carrots. Each row contained 8 carrots. How many carrots were planted in all?

Answer: 48 carrots

3. Nate hiked $\frac{1}{3}$ of a trail. Ben hiked $\frac{2}{4}$ of the trail. Who hiked the greater distance? Draw a model to compare and solve.

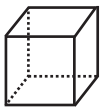
Answer: Ben hiked the farthest.

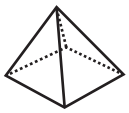
4. Round the number below to the nearest hundred.

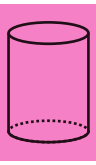
136,959

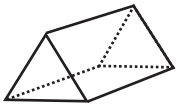
Answer: 137, 000

5. Which of these figures has 0 vertices?

A. 

B. 

C. 

D. 

Name _____

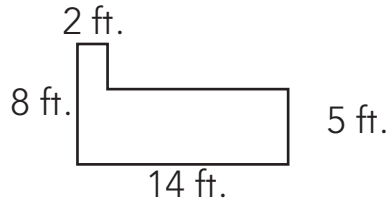
6. Danton's baseball team earned $609 in their car wash fundraiser. Jim's team raised $538 in their car wash fundraiser. How much more money did Danton's team earn than Jim's team?

Answer: _____ **$71** _____

7. Meredith has 64 cupcakes. If she puts 8 cupcakes on each plate, how many plates will Meredith need to hold all the cupcakes?

A. 9
B. 8
C. 7
D. 6

8. Find the area of the figure below.



Answer: _____ **76 sq. ft.** _____

9. Kim wanted to buy a new TV for $465. If she opted to pay for the TV on credit, 5 payments of $97, how much interest would Kim pay on the TV?

A. $15
B. $485
C. $20
D. $475

10. Derek started running errands at 8:00. If he finished the errands at 10:35, how long did he spend running errands?

A. 1 hour and 25 minutes
B. 2 hours and 25 minutes
C. 2 hours and 35 minutes
D. 3 hours and 35 minutes

Name _____

Place Value, Addition, and Subtraction Quiz

Read the questions. Show your work and write your answers.

1. Farmer Joe had 13,907 chickens on his farm. What is this number in word form?

A. Thirteen thousand, nine hundred seventy

B. Thirteen hundred thousand, ninety-seven

C. Thirteen ten thousand, nine hundred seven

D. Thirteen thousand, nine hundred seven

2. Tammy collected 628 paperclips and Gail collected 499. About how many paperclips did Tammy and Gail collect in all?

A. 1,111

B. 1,130

C. 1,000

D. 1,050

3. Nancy had $430 in her bank account. She put $189 in her account on Monday and then withdrew $250 on Friday. How much money did Nancy have in her account at the end of Friday? Show your work and record your answer in the blank below.

Answer: $369

4. Carrie's Carrot Factory packed up 144,000 carrots. What is another way to say this number?

A. 140 thousands

B. 1,440 ten thousands

C. 144 thousands

D. 14 hundreds

5. Greg is thinking of a number that has a 5 in the ten thousands and hundreds place. Which of the following could be Greg's number?

A. 55,005

B. 505,505

C. 450,500

D. 500,005

Name _____

6. Blaire works at the local office store restocking supplies. On Wednesday, Blaire stocked the shelves with 144 packs of sticky notes. 78 packs of the sticky notes were sold. Blaire put an additional 105 packs of sticky notes on the shelf. How many packs of sticky notes are on the shelf now?

Answer: 171 packs of sticky notes

7. Mark had 2 boxes of toy cars.

- He had 47 cars in the first box.
- He had 34 cars in the second box.
- He gave 19 cars to Ronnie.

Which number sentence shows the number of cars that Mark has left?

A. 47 + 34 + 19 = ?

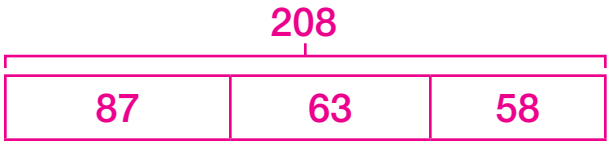
B. 47 – 34 – 19 = ?

C. 47 + 34 – 19 = ?

D. 47 – 34 + 19 = ?

8. Ryan took a survey of favorite foods at his school. Ryan surveyed 208 students. 87 students said that pizza was their favorite food and 63 said that burgers were their favorite food. How many students said their favorite food was something else? Draw a strip diagram and solve for an answer.

Diagram:



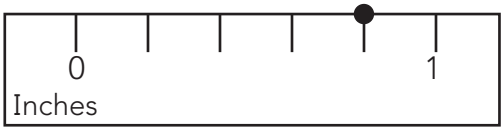
Answer: 58 students

Name _____

Multiplication, Division, and Fractions Quiz

Read the questions. Show your work and write your answers.

1. Examine the point on the number line below. If a paperclip is the the same length as the distance from 0 to the point, how long is the paperclip?



Answer: $\frac{4}{5}$

2. Raquel wants to put 60 bows into 5 equal piles. How many bows should she put in each pile? Draw a strip diagram to model and solve the problems.

Answer: 12 bows

3. Mike has 5 green markers, 3 yellow markers, and 4 red markers. What fraction of Mike's markers are green?

Answer: $\frac{5}{12}$

4. Victor collected 15 soda cans a day to donate for recycling. If Victor collected cans for 8 days in a row, how many cans did he collect?

Answer: 120 cans

5. Darcy has 24 bags of apples. Each bag contains 9 apples. Which equation is broken down into the correct partial product equation to show how many apples Darcy has in all?

A. $9 \times 2 \rightarrow (9 \times 20) + (9 \times 40) = ?$

B. $9 \times 24 \rightarrow (9 \times 20) + (9 \times 9) = ?$

C. $9 \times 24 \rightarrow (9 \times 20) + (9 \times 4) = ?$

D. $9 \times 24 \rightarrow (9 \times 24) + (9 \times 4) = ?$

Name _____

6. Which of the following statements is not true? Model draw and solve.

A. $\frac{3}{4} > \frac{5}{8}$

B. $\frac{1}{3} < \frac{2}{4}$

C. $\frac{3}{6} = \frac{2}{8}$

D. $\frac{1}{2} > \frac{1}{4}$

7. Eva saved $8.00 a week to buy a new dress. She noted how much money she had saved at 2, 5, 6, and 9 weeks. How much money will Eva have saved up at the end of 12 weeks?

Number of Weeks	2	5	6	9
Amount of Money Saved	$16	$40	$48	$72

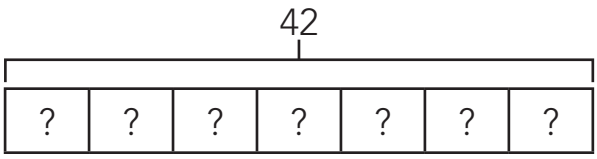
A. $84

B. $90

C. $96

D. $108

8. Determine the correct equation for the strip diagram below.



A. $42 \div 7 = 7$

B. $42 \div 7 = 6$

C. $42 \times 7 = 294$

D. $42 - 7 = 35$

Name _____

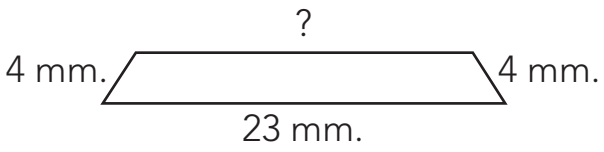
Elapsed Time, Measurement, Area, and Perimeter Quiz

Read the questions. Show your work and write your answers.

1. Scott went on a hike with two of his friends. The hike lasted 4 hours and 35 minutes. If Scott and his friends finished at 1:05, what time did the hike start?

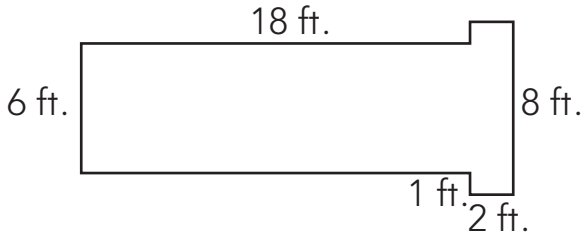
Answer: 8:30

2. If the perimeter of the figure below is 49 millimeters, what is the length of the missing side?



Answer: 18 mm.

3. Find the area of the figure below.



Answer: 112 sq. ft.

4. Chris wants to estimate the capacity of a large pool. Which of the following is the best estimate?

A. 600 pints
B. 6,000 quarts
C. 60 cups
D. 60,000 gallons

Name _____

5. Ben came home at 4:15 and worked on his homework for an hour and 28 minutes. What time did Ben finish his homework?

Answer: 5:43

6. A square has the side lengthof 8 inches. What is the area of the square?

Answer: 64 sq. ft.

7. Hollie got up at 8:00 on Saturday morning. If she worked on yard work for 1 hour and 5 minutes, a school project for 45 minutes, and then cleaned her room for 30 minutes, what time did Hollie finish her tasks?

Answer: 10:20

8. David wants to measure the weight of his large dog using ounces instead of pounds. Do you think this is an appropriate unit of measure? Why or why not?

Sample answer: No. Pounds are a larger unit of measurement and would be a better choice.

Name _____

Geometry, Finance, and Graphing Quiz

Read the questions. Show your work and write your answers.

1. Which statement is true?

A. A rectangle is a square.

B. A square is a rhombus.

C. A trapezoid is a rectangle.

D. A pentagon is a special quadrilateral.

2. Mona wanted to buy a new gaming system at the store. The system cost $399 or 7 payments of $59 if the system is brought on credit. If Mona buys the gaming system on credit, how much interest will she pay?

Answer: $14

3. Becky's Blooming Flower Shop was running low on roses for Valentine's Day because the flowers were in high demand. What should Becky do to the price of the roses?

A. raise the price

B. keep the price the same

C. lower the price

4. Which of these figures is represented by a can?

A. cube

B. cone

C. cylinder

D. pyramid

5. John found a special quadrilateral that has two sets of parallel sides, all equal sides, but not right angles. What shape could John have found?

A. rectangle

B. square

C. trapezoid

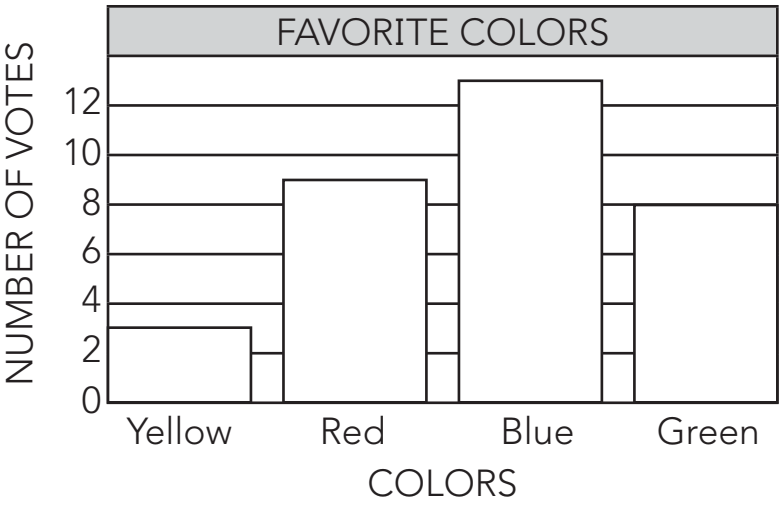
D. rhombus

Name _____

6. Sam earned $35 a week working at the local pet store. If Sam works for 8 weeks, how much money will he have earned in all?

Answer: $280

Use the graph below to answer questions 7–10.



7. Which color was most popular?

blue

8. How many people voted on their favorite color?

33 people

9. How many more people voted for blue than yellow?

10 people

10. How many total people voted for red and green combined?

17 people

Name _____

Assessment

Read each problem below and solve.

1. Ryan wants to buy a new telescope. The telescope costs $435 or if purchased with credit, 7 payments of $64. If Ryan buys the telescope on credit, how much will he pay for the telescope?

A. $23
B. $448
C. $13
D. $438

2. What of the following is not a way to say the number below?

234,000

A. 234,000 ones
B. 2,340 hundreds
C. 2,340 thousands
D. 23,400 tens

3. Taylor drew a rectangle with alength of 14 inches and a width of 8 inches. What is the perimeter of Taylor's rectangle?

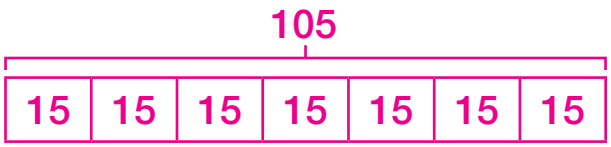
Answer: 44 inches

4. Mac went to the store to buy some eggs. Each carton contains 1 dozen eggs. Complete the table below.

Number of Cartons	2	5	6	9
Number of Eggs	24	60	72	108

5. Jordan has a pear tree growing in his backyard. The tree has 7 branches and each branch has 15 pears on it. How many pears are growing on Jordan's tree? Draw a strip diagram to model and solve the problem.

Diagram:



Answer: 105 pears

6. Which statement is true? (Hint: Draw models.)

A. $\frac{2}{8} < \frac{1}{4}$

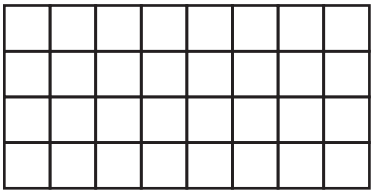
B. $\frac{1}{6} > \frac{3}{8}$

C. $\frac{1}{2} = \frac{2}{3}$

D. $\frac{5}{6} > \frac{3}{4}$

7. Find the area of the figure below.

□ = 2 square units



Answer: 64 sq. units

8. Parker has 95 cows on his farm. Each cow eats 2 bales of hay every week. How many bales of hay will Parker need to feed the cows for each week?

A. 185 bales

B. 190 bales

C. 180 bales

D. 195 bales

9. Solve the following problem. Make sure to show your work.

1,000 – 249 = ?

Answer: 751

10. Write the fact family that includes:

14 ÷ 2 = 7

14 ÷ 7 = 2

2 × 7 = 14

7 × 2 = 14

11. Victoria went for a run that lasted 37 minutes. If she returned home at 7:10, what time did her run start?

Answer: 6:33

12. Which statement about the number 8,668 is true?

A. There is a 8 in the tens place so 8 × 10 = 80.

B. There is a 6 in the hundreds place so 6 × 100 = 600.

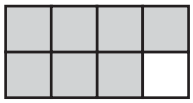
C. There is a 8 in the thousands place so 8 × 100 = 8,000.

D. There is a 8 in ones place so 8 × 1 = 1.

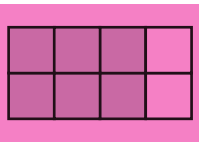
13. Nick ate $\frac{3}{4}$ of a pizza. Which model shows an equivalent fraction to the amount Nick ate?

A.

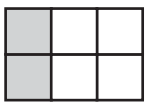
B.



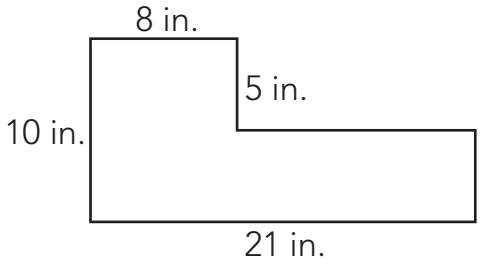
C.



D.



14. Find the perimeter of the figure below.



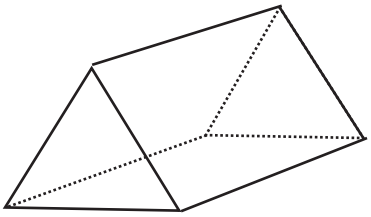
A. 44 inches

B. 49 inches

C. 57 inches

D. 62 inches

15. What is the name of this figure?

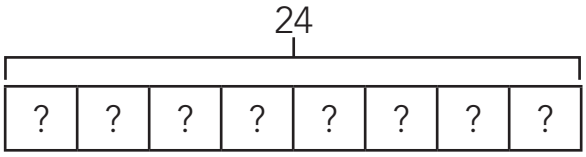


A. Triangular pyramid
B. Triangular prism
C. Triangular trapezoid
D. Triangular cone

16. A school cafeteria has 8 long tables. If each table can hold 80 students, how many students can sit in the cafeteria at one time?

Answer: 640 students

17. Examine the strip diagram and solve.



Answer: 3

18. Cali planted 200 carrots in her garden. Cali already harvested 167 of the carrots. How many carrots are left to harvest?

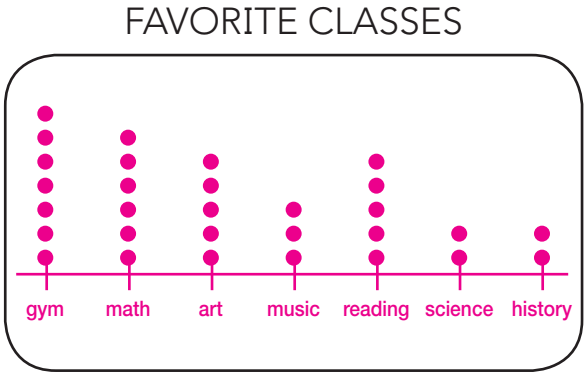
Answer: 33 carrots

19. Raithe meets his friends at the arcade at 8:00. If he left his house at 7:45, how long did it take Raithe to get to the arcade?

Answer: 15 minutes

20. Examine the frequency table. Create a dot plot to represent the data.

FAVORITE CLASS IN SCHOOL					
gym	math	gym	art	gym	music
math	music	gym	reading	math	music
art	math	science	history	reading	art
reading	art	math	reading	gym	history
reading	math	science	math	gym	art



What is 204,099 in expanded form?

A. 200,000 + 40,000 + 90 +9

B. 200,000 + 4,000 + 900 + 90

C. 200,000 + 40,000 + 900 + 9

D. 200,000 + 4,000 + 90 + 9

A farmer sorts oranges into bundles of 10 to take to the market. If he has 3,950 oranges, how many bundles of 10 will he make?

A. 39

B. 3,950

C. 395

D. 50

A group of numbers are shown below.

145,679 145,976 154,679

Which of the following statements is true?

A. 145,976 > 154,679, because 900 > 600.

B. 145,679 < 145,967, because 600 < 900.

C. 145,679 > 145,976, because 79 > 76.

D. 145,679 = 154,679, because 679 = 679.

Travis found 89 seashells on the beach. Gigi found 67 seashells. About how many seashells did Travis and Gigi find in all?

156 seashells

Robert is thinking of a number that rounds to 1,000. Which of the following could not be Robert's number?

A. 981

B. 939

C. 1,020

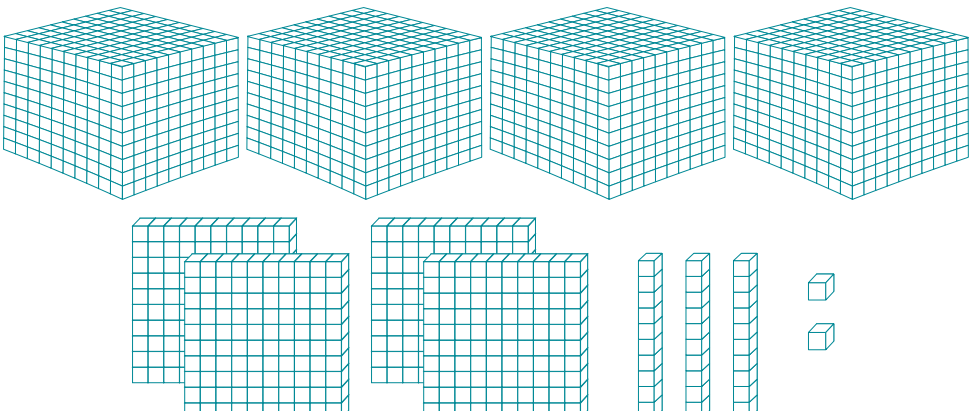
D. 1,009

Order the numbers below from greatest to least.

13,459 14,359 14,953 13,594

13,459 13,594 14,359 14,953

Write the number represented below in word form.



Answer: four thousand, four hundred thirty-two

The local Girl Scout Troop sold 8,010 boxes of cookies. What is the number of cookie boxes sold rounded to the nearest hundred?

A. 8,010

B. 8,100

C. 8,000

D. 8,001

How many hundreds are in 698,400?

6,984

What place value can you use to show that 84,609 is less than 84,069?

A. tens

B. hundreds

C. ones

D. thousands

What is 25,689 rounded to the nearest hundred? What is 25,689 rounded to the nearest ten?

A. 25,600 and 25,690

B. 25,700 and 25,680

C. 25,600 and 25,680

D. 25,700 and 25,690

Justin has 543 stickers. Amber has 198 stickers. Which number sentence shows the most reasonable estimate for the difference in the numbers of stickers?

A. 550 – 200 = 350

B. 540 – 200 = 340

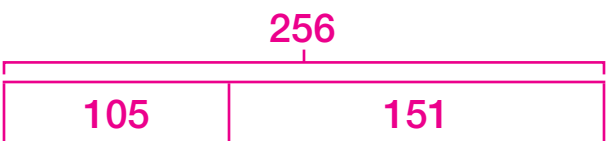
C. 543 – 198 = 345

D. 500 – 100 = 400

Marshall made 49 cookies for a class party. If he decided to make an additional 85 cookies, how many cookies did Marshall make in all? Solve and record your answer below.

Answer: 134 cookies

Jessica found 256 ants outside. If 105 of the ants were in her front yard, how many were in her backyard? Create a strip diagram and solve.



Answer: 151 ants

Doug bought a bag of dog treats. The bag contained 200 dog treats. If Doug gave his dog 129 treats over two months, how many treats are remaining? Solve and record your answer below.

Answer: 71 dog treats

Raquel collected 754 shells from the beach on Monday, 89 on Tuesday, and 104 on Wednesday. How many shells did Raquel collect on Monday, Tuesday, and Wednesday? Solve and record your answer below.

Answer: 947 shells

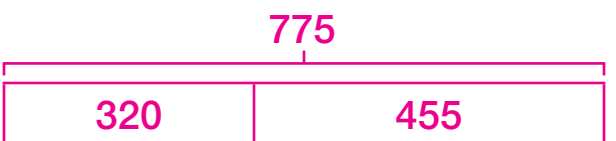
Johnny collects 289 basketball cards. Trey has 154 fewer basketball cards than Johnny. How many basketball cards does Trey have? Solve and record your answer below.

Answer: 134 basketball cards

Michael worked at the local grocery store restocking the fruit. On Monday morning, Michael stocked the shelf with 180 apples. 123 apples were purchased and then Michael stocked another 159 apples. How many apples are on the shelf now?

Answer: 216 apples

Palmer planted 320 tomato seeds and 455 carrot seeds. How many seeds did Palmer plant in her yard? Draw a strip diagram and solve.



Answer: 775 seeds

Trent went on three hiking trips with his friend.

- First Trip: They hiked 89 miles.
- Second Trip: They hiked 45 miles.
- Third Trip: They hiked 135 miles.

How many miles did Trent and his friends hike on all three trips? Solve and record your answer below.

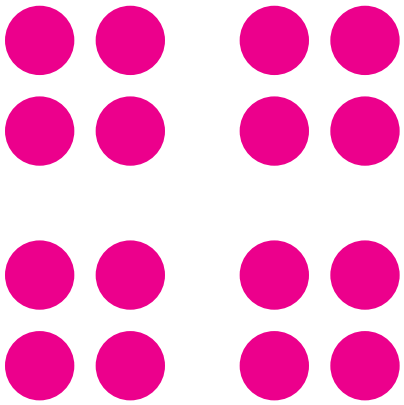
Answer: 269 miles

Examine the multiplication equation and determine how to represent the equation with groups, repeated addition, arrays, the Commutative Property, and on a number line. Make sure to fill in the product for the equation.

MODEL

$4 \times 4 = \underline{16}$

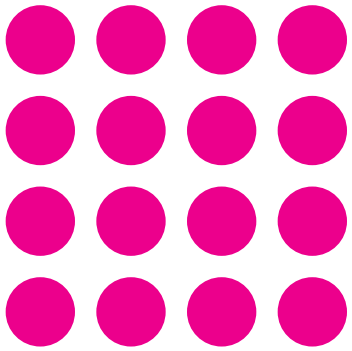
GROUPS



REPEATED ADDITION

$4 + 4 + 4 + 4 = 16$

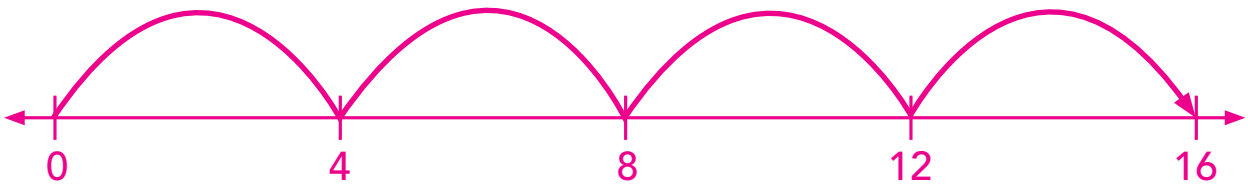
ARRAY



COMMUTATIVE PROPERTY

$4 \times 4 = 16$

NUMBER LINE

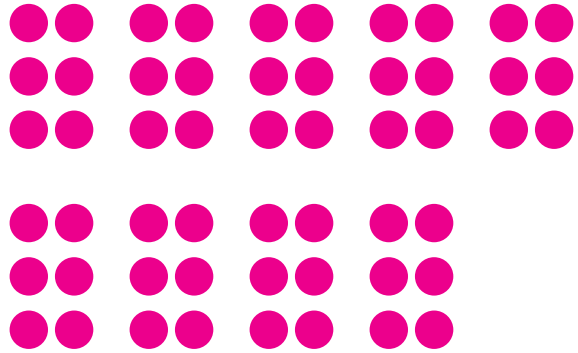


Examine the division equation and determine how to represent the equation with groups, repeated subtraction, arrays, fact families, and on a number line. Make sure to fill in the quotient for the equation.

MODEL

$54 \div 9 = \underline{6}$

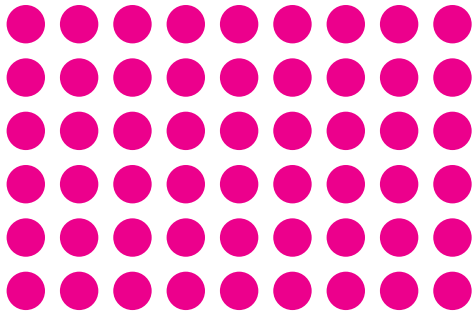
GROUPS



REPEATED SUBTRACTION

$54 - 9 - 9 - 9 - 9 = 0$

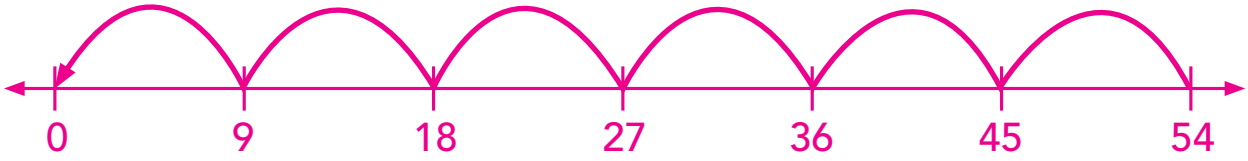
ARRAY



FACT FAMILY

$54 \div 6 = 9$
$9 \times 6 = 54$
$6 \times 9 = 54$

NUMBER LINE

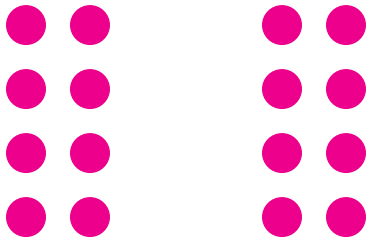


Examine the multiplication equation and determine how to represent the equation with groups, repeated addition, arrays, the Commutative Property, and on a number line. Make sure to fill in the product for the equation.

MODEL

$2 \times 8 = \underline{16}$

GROUPS



REPEATED ADDITION

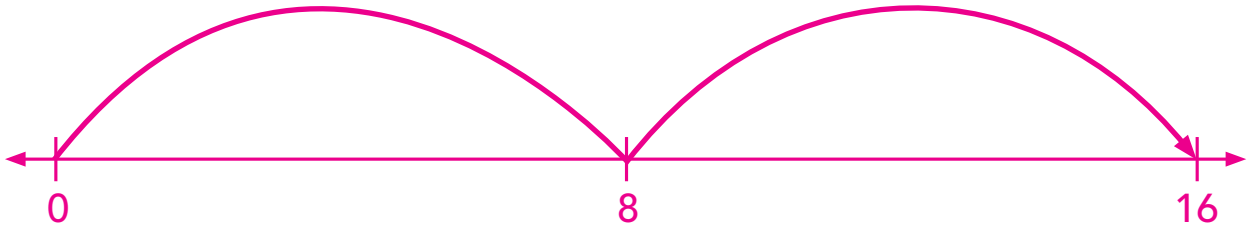
$8 + 8 = 16$

ARRAY

COMMUTATIVE PROPERTY

$8 \times 2 = 16$

NUMBER LINE

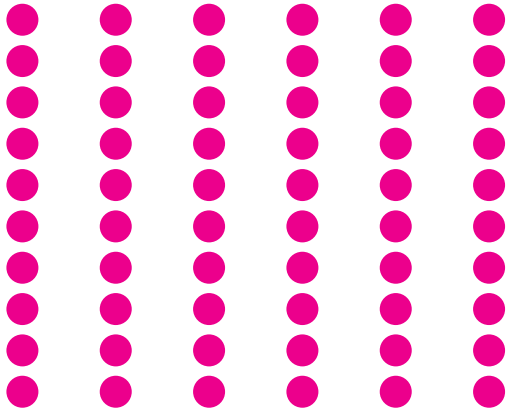


Examine the division equation and determine how to represent the equation with groups, repeated subtraction, arrays, fact families, and on a number line. Make sure to fill in the quotient for the equation.

MODEL

$60 \div 6 = \underline{10}$

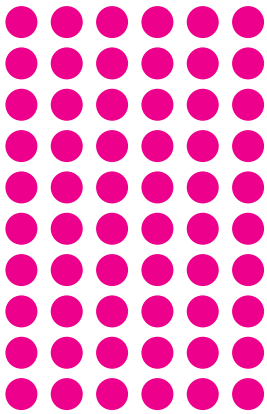
GROUPS



REPEATED SUBTRACTION

60 − 6 − 6 − 6 − 6 − 6 − 6 − 6 − 6 − 6 − 6 = 0

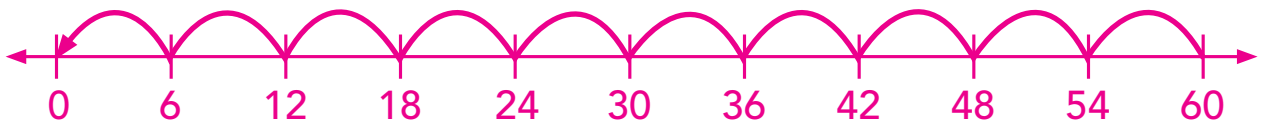
ARRAY



FACT FAMILY

$60 \div 10 = 6$
$6 \times 10 = 60$
$10 \times 6 = 60$

NUMBER LINE

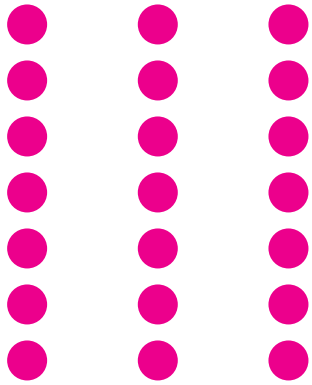


Examine the multiplication equation and determine how to represent the equation with groups, repeated addition, arrays, the Commutative Property, and on a number line. Make sure to fill in the product for the equation.

MODEL

$3 \times 7 = \underline{21}$

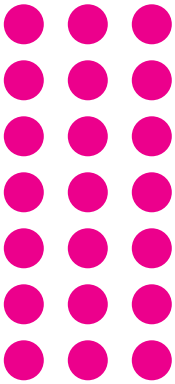
GROUPS



REPEATED ADDITION

$7 + 7 + 7 = 21$

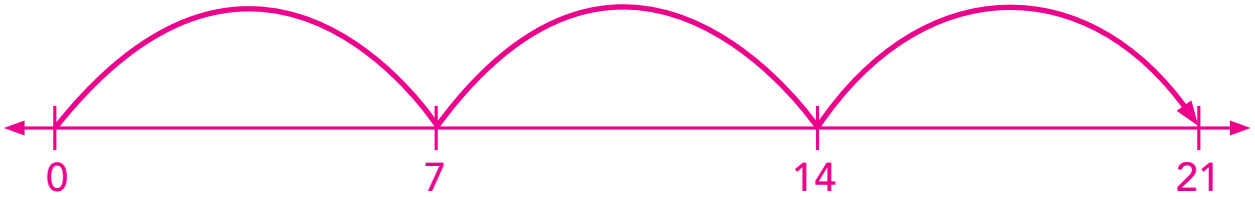
ARRAY



COMMUTATIVE PROPERTY

$7 \times 3 = 21$

NUMBER LINE

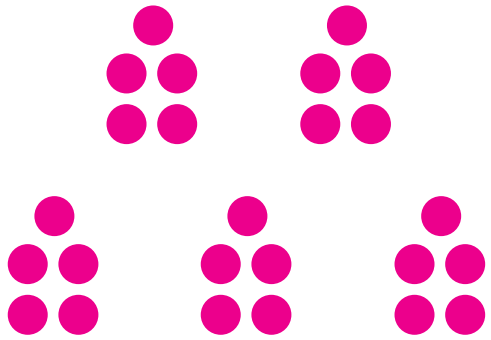


Examine the division equation and determine how to represent the equation with groups, repeated subtraction, arrays, fact families, and on a number line. Make sure to fill in the quotient for the equation.

MODEL

$25 \div 5 = \underline{5}$

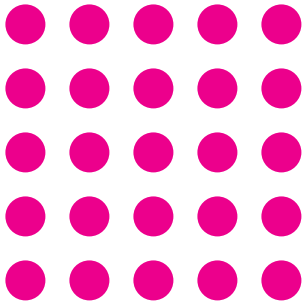
GROUPS



REPEATED SUBTRACTION

$25 - 5 - 5 - 5 - 5 - 5 = 0$

ARRAY

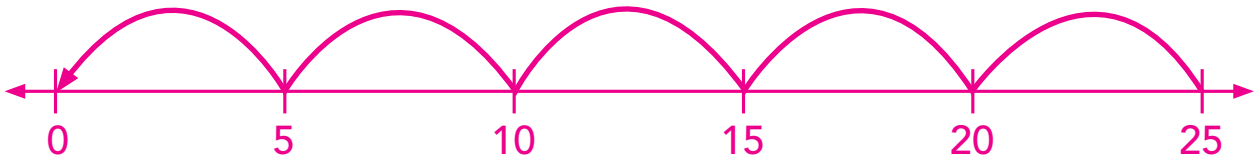


FACT FAMILY

$25 \div 5 = 5$

$5 \times 5 = 25$

NUMBER LINE



Drew had 72 pieces of gum. He needed to divide the gum into 9 equal groups. How many pieces of gum will be in each group? Draw a strip diagram to model and solve the problem.

8 pieces

Examine the table below.

NUMBER OF TRICYCLES	3	6	8	10
NUMBER OF WHEELS	9	18	24	30

Which choice best describes the table?

A. Number of tricycles − 3 = number of wheels
B. Number of tricycles ÷ 3 = number of wheels
C. Number of tricycles × 3 = number of wheels
D. Number of tricycles + 3 = number of wheels

Jim wanted to run 35 miles over one week. If he ran 5 miles each day for the first 4 days, how many miles does Jim have left to run?

15 miles

Jamie made 63 chocolate-covered pretzels. If she wants to split them equally among herself and 8 friends, how many pretzels will each person receive?

A. 6 pretzels
B. 7 pretzels
C. 8 pretzels
D. 9 pretzels

Tommy went to the store and bought 3 pairs of pants for $21 each. Then he bought a shirt for $25. How much did Tommy spend at the store?

$88

Becca hiked 132 miles over 11 weeks. She hiked the same number of miles each week. How many miles did Becca hike each week? Solve and record your answer below.

12 miles

Bill has 55 baseball cards to split equally into 5 groups. How many baseball cards should Bill place in each group? Write an equation and solve for an answer.

11 baseball cards

Jessica went to the store to buy some ribbon. She purchased 7 rolls of ribbon. Each roll is 23 feet. How many feet of ribbon did Jessica purchase? Draw a strip diagram to model and solve this problem.

161 feet of ribbon

Luke sliced 16 apples into 6 slices each. How many slices did Luke make?

96 apple slices

Denise has 32 softballs to sort into 4 equal bags. How many softballs should Denise put in each bag? Write an equation and solve.

8 softballs

Determine the correct partial product layout for the equation below.

$8 \times 52 = ?$

A. $(8 \times 5) + (8 \times 2) = ?$
B. $(8 \times 50) + (8 \times 2) = ?$
C. $(8 \times 50) + (8 \times 8) = ?$
D. $(8 \times 52) + (8 \times 52) = ?$

Ida wants to put her 49 bows into 7 equal groups. How many bows should Ida put in each group? Draw a strip diagram to model and solve the problem.

7 bows

Which statement is true? (Hint: Draw models.)

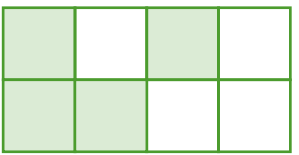
A. $\frac{4}{6} = \frac{2}{4}$

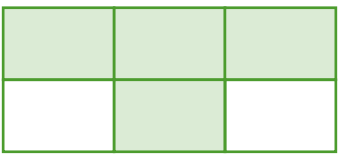
B. $\frac{1}{3} > \frac{1}{2}$

C. $\frac{2}{6} < \frac{7}{8}$

D. $\frac{1}{2} = \frac{3}{4}$

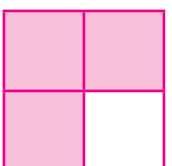
Compare the fractions modeled. Use <, =, > to write a comparison.

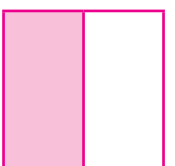




Comparison: $\frac{4}{8} < \frac{4}{6}$

Hannah planted $\frac{3}{4}$ of her garden. Kimmy has the same size garden and planted $\frac{1}{2}$ of her garden. Who planted more of her garden? Model draw to solve.





Answer: Hannah planted more of her garden.

If three friends share 2 muffins, what fraction of a muffin will each friend receive?

Answer: $\frac{1}{3}$

Monika hiked $\frac{2}{3}$ of the Green Mountain Trail. Denise hiked $\frac{3}{4}$ of the trail. Who hiked the greater distance?

Answer: Denise hiked the greater distance.

Which of the following statements is not true? Model draw and solve.

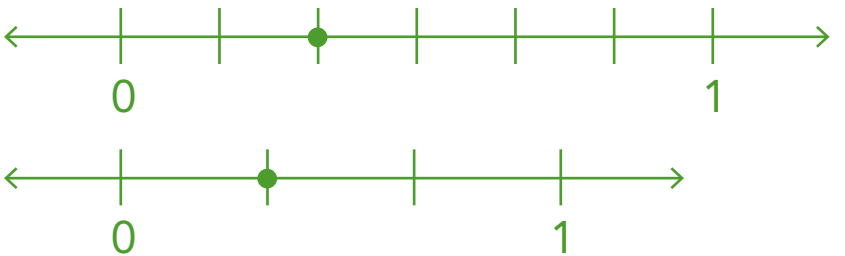
A. $\frac{1}{2} > \frac{3}{8}$

B. $\frac{2}{3} = \frac{5}{6}$

C. $\frac{1}{6} < \frac{1}{4}$

D. $\frac{2}{8} = \frac{1}{4}$

Abby drew two number lines. Are the two fractions equivalent? Why or why not?



Sample answer: Yes, $\frac{2}{6}$ is equivalent to $\frac{1}{3}$.

Nathan said that $\frac{1}{6}$ is greater than $\frac{1}{3}$ because 6 is greater than 3. Is he correct? Explain why or why not?

Sample answer: No. $\frac{1}{3}$ of a whole is larger than $\frac{1}{6}$ of a whole.

Determine an appropriate measurement of the object below. Circle your answer.

Pool

50,000 gal. or 50,000 qt.

Measure the sides of the rectangle below to the nearest inch. Write the length and width.

Jamie finished getting her hair cut at 11:55. If she needs to be at her nail appointment by 12:30, how long does Jamie have until her nail appointment starts?

35 minutes

Josh played golf for 4 hours and 15 minutes. If Josh finished at 5:30, what time did he start golfing?

1:15

Determine an appropriate measurement of the object below. Circle your answer.

Large Soda Bottle

3 L. or 3 mL.

Henry started to run his errands at 9:45. If he took 2 hours and 35 minutes to run his errands, what time did he finish running his errands?

12:20

Wyatt finished with batting practice at 8:20. If the batting practice was 1 hour and 35 minutes long, what time did the Wyatt's batting practice start?

6:45

Determine an appropriate measurement of the object below. Circle your answer.

Cell phone

centimeters or feet

Determine an appropriate measurement of the object below. Circle your answer.

Rhinoceros

6 T. or 600 lb.

Kendall babysits every Saturday from 6:15 until 10:30. How long does Kendall babysit every Saturday night?

4 hours 15 minutes

Reba's doctor's appointment started at 10:55. The appointment lasted 29 minutes. What time did Reba get out of her doctor's appointment?

11:24

Determine an appropriate measurement of the object below. Circle your answer.

Dog

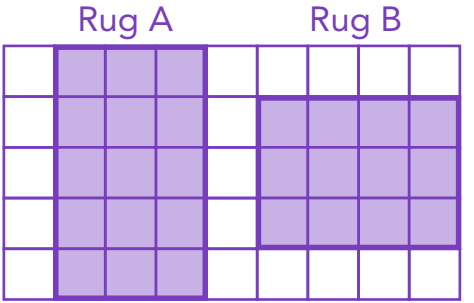
65 g. or 65 kg.

A rectangle is 13 inches long and 5 inches wide. What is the area of the rectangle?

Answer: 65 sq. inches

Hallie examined two rugs at the store. Which rug has a larger perimeter?

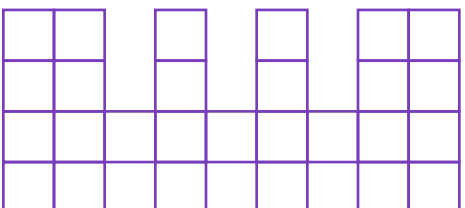
= 2 sq. ft.



Answer: Rug A

What is the area of the shape below?

= 1 sq. in.

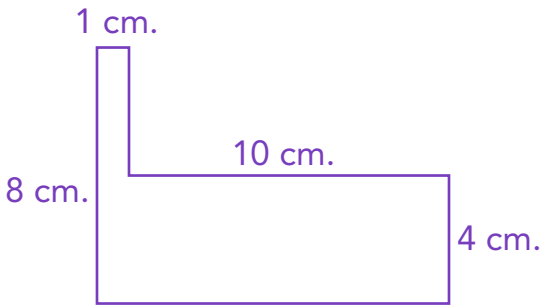


Answer: 27 sq. in.

One side of a square measures 14 feet. What is the perimeter of the square?

Answer: 56 feet

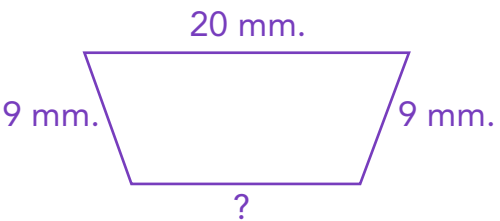
What is the area of the shape below?



Answer: **44 sq. cm.**

Find the missing side of the figure below.

Perimeter = 56 mm.



A. 16 mm.

B. 17 mm.

C. 18 mm.

D. 19 mm.

Ricky drew a pentagon that had all equal sides. If each side measures 7 inches, what is the perimeter of the pentagon? Draw a model and record your answer below.

Answer: 35 inches

Which figure has the smallest area?

A.

B.

C.

A _____ is a polygon with 4 sides.

A. solid figure

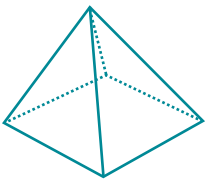
B. quadrilateral

C. polygon

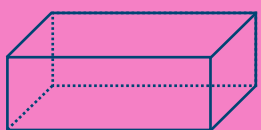
D. pentagon

Which of these figures has more than 5 faces?

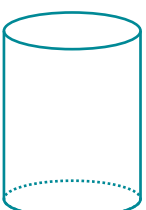
A.



B.



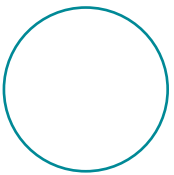
C.



D.

Which of the following is a pentagon?

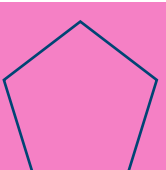
A.



B.

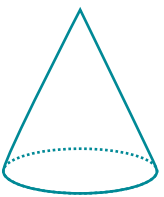
C.

D.

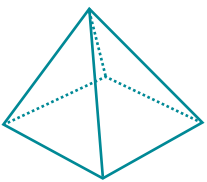


Which of these figures has 5 faces, 6 vertices, and 9 edges?

A.

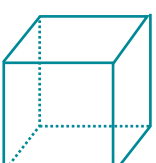


B.

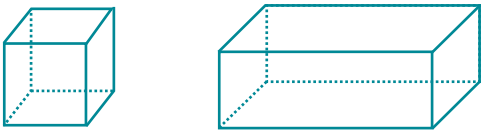


C.

D.



What statement is true about these two figures?



A. They are both quadrilaterals.

B. They both have 12 vertices.

C. They are both pyramids.

D. They both have 6 faces.

Sarah found a shape that was a quadrilateral with two sets of parallel lines, all equal sides, but no right angles. What shape could Sarah have found?

A. square

B. rectangle

C. trapezoid

D. rhombus

Name the figure below and fill in its missing attributes.

Name: cylinder

Faces: 2

Vertices: 0

Edges: 0

Which of the following figures are polygons?

A. 1, 3, 5

B. 2, 4

C. 1, 3

D. 1, 2, 3, 5

Josh found a new computer he wanted to buy for $600 upfront or buy on credit with 8 payments of $79. How much interest will Josh pay for the computer if it is bought on credit?

$32

What is an income? List three ways a person could earn an income.

Sample answer: Income is money that someone is paid for their labor. A person can earn an income by being a teacher, a landscape architect, or a doctor.

The local grocery store has an overstock of peanut butter. In order to sell more jars of peanut butter, what should the grocery store do to the price of the peanut butter?

A. raise the price

B. keep the price the same

C. lower the price

Mac wants to buy a new cell phone. The phone costs $455. If Mac saves $58 a week, how many weeks will it take Mac to save the money for the phone?

A. 6 weeks

B. 7 weeks

C. 8 weeks

D. 9 weeks

What is the meaning of *scarcity*?

Sample answer: When there is a shortage of something.

Brooke earned $35 for every tutoring session. She needs to buy a new backpack for $50 and pair of shoes for $63. If Brooke completes 8 tutoring sessions, how much money will she have left over after buying the items she needs?

$167

Dafney wanted to buy a new volleyball net for her backyard. If the net costs $300 and Dafney saves $35 a week, how many weeks will Dafney need to save the money?

9 weeks

What does it mean to pay interest? Give an example of when someone might have to pay interest on something.

Sample answer: Paying interest means you pay extra for something you did not have enough money for at the time you purchased it. Someone might pay interest on college when they take out a loan.

Adrian saved his money for 5 months to buy a new skateboard. When he goes to buy the board, the matching helmet and kneepads are on sale. Adrian only buys the board. Was this unplanned or planned spending?

A. unplanned spending

B. planned spending

Greg earned $15 dollars a week for shoveling snow out of his driveway. If he does this for 7 weeks, how much money will Greg earn?

$105

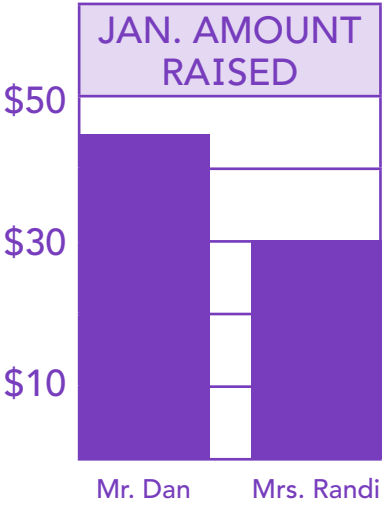
What is charity? What might be some reasons a person would give to charity?

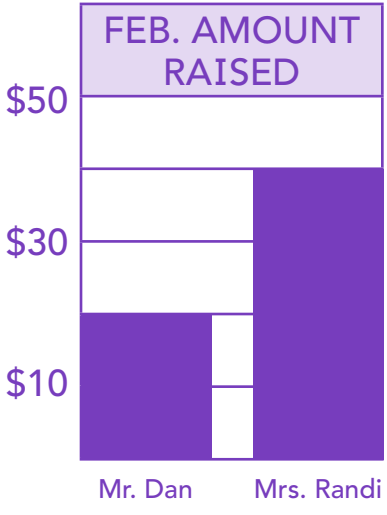
Sample answer: Charity is when you give something, such as money, to help a cause. Someone might give to charity to help find a cure for a disease.

Dan needs to buy a new refrigerator that will cost him $550 upfront or he can purchase it on credit for 6 payments of $96. If he buys the refrigerator on credit, how much will he actually spend?

$576

Examine the bar graphs below and answer the questions.





How much money did Mrs. Randi's class earn in February?

$40

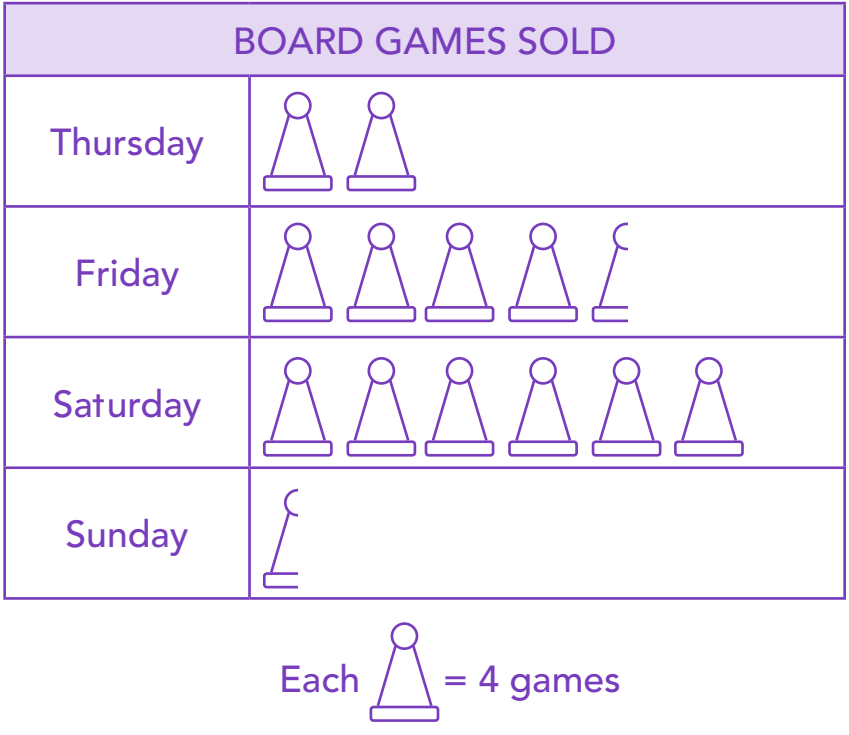
How much more did Mr. Dan's class raise than Mrs. Randi's in January?

$15

How much money did Mr. Dan's class raise in January and February combined?

$65

Examine the pictograph and answer the questions.



How many games were sold on Friday?

18 games

How many more games were sold on Saturday than on Thursday?

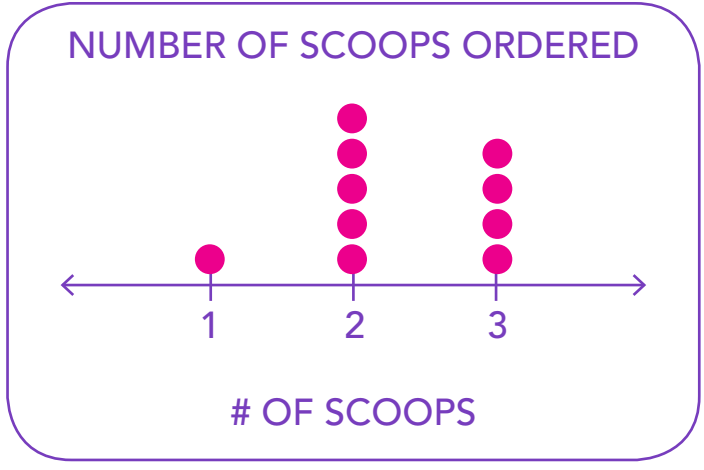
16 games

What was the total number of games sold between Friday and Sunday?

44 games

Examine the frequency table below and complete the dot plot.

TASTY'S ICE CREAM SCOOP COUNT					
PERSON	# OF SCOOPS	PERSON	# OF SCOOPS	PERSON	# OF SCOOPS
#1	2	#4	2	#7	2
#2	3	#5	3	#8	2
#3	1	#6	2	#9	3



How many people ordered 1–2 scoops of ice cream?

6 people

How many people were counted for this table?

9 people

Which scoop number was the most popular?

2 scoops

Nick has 134 baseball cards. Eli has 205 baseball cards. About how many baseball cards do the boys have in all? Round to the nearest ten.

330 baseball cards

Tim wants to buy a new pair of cordless headphones. The headphones cost $145. If Tim makes $25 a week, how many weeks will it take him to save enough money for the headphones?

6 weeks

Determine the correct partial product layout for the equation below.

$$9 \times 59 = ?$$

A. $(9 \times 5) + (9 \times = 9) = ?$

B. $(9 \times 50) + (9 \times 9) = ?$

C. $(9 \times 50) + (9 \times 5) = ?$

D. $(9 \times 90) + (9 \times 5) = ?$

A group of numbers are shown below.

9,063 9,603 9,360 9,036

Which statement is true about the numbers?

A. 9,603 < 9,360, because 3 < 60
B. 9,360 = 9,063, because 60 = 60
C. 9,063 > 9,036, because 9,000 > 9,000
D. 9,360 < 9,603, because 300 < 600

What fraction is represented by the point on the number line?

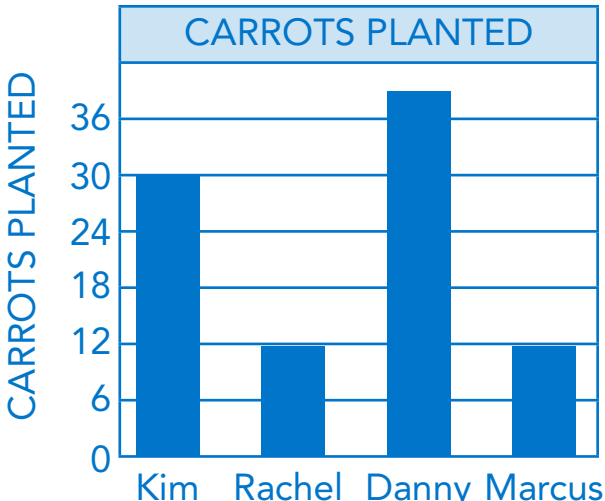
$\frac{3}{4}$

Examine the table below. Which choice best describes the table?

NUMBER OF PEOPLE	4	6	7	12
NUMBER OF FINGERS	40	60	70	120

A. Number of people × 10 = number of fingers
B. Number of people ÷ 10 = number of fingers
C. Number of people − 10 = number of fingers
D. Number of people + 10 = number of fingers

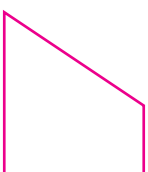
Examine the bar graph below.



How many more carrots did Danny plant than Rachel?

27 carrots

What is the name of the special quadrilateral that has one set of parallel lines, but no equal sides. Identify and draw an image of the shape.



parallelogram

Paul came home from school at 4:15. He spent 15 minutes doing chores, 35 minutes doing homework, and 20 minutes cleaning his room. What time did Paul finish all his evening activities?

5:25

Jackie drew a rectangle on her paper. The length was 13 inches and the height was 5 inches. What is the area of Jackie's rectangle?

65 sq. inches

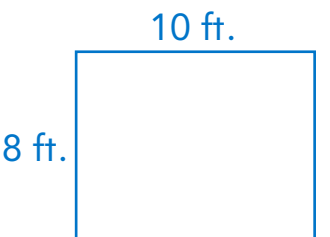
Meg has 4 gallons of milk. How many pints of milk does Meg have?

32 pints

Terry and Ben both planted gardens in their backyards. Whose garden has a larger perimeter? How much larger is the perimeter of the larger garden?

Ben's garden is larger by 6 ft.

Terry



Ben