

Grade: 3 Practice Worksheets
Domain Name: Operations & Algebraic Thinking

1. John walked 5 dogs and was paid \$1 for each dog. How much money did John make?

\$

2. You take 1 vitamin each day.

How many vitamins do you take in a week? (Remember, a week is 7 days.)

Vitamins

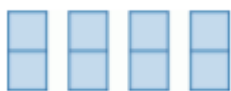
3. Select the options that does NOT use a multiplication symbol.

Check all that are true.

- $(8)(3)$
- 8×3
- $8 \div 3$
- $8 - 3$
- $8 \cdot 3$

4. Skip count by 2 and fill in the missing numbers.

2, 4, 6, , 10, 12, 14, 16, 18



5.

$4 \cdot 2$ is groups of 2 = 8

6. Solve the problem.

$$6 \times 2 = \square$$



7. Multiply

$$\square (3) (2) =$$



What number is missing?

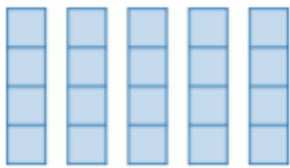
8.

9. On your camping trip, you ate 3 meals each day. At the end of the 5 days trip, you had no more meals left. How many meals did you bring?

meals

10. Skip count by 4 and fill in the missing numbers.

4, 8, 12, , 20, 24, 28, 32, 36



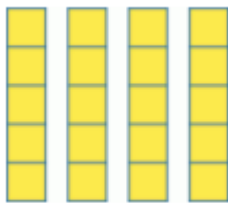
11.

(5)(4) is groups of 4 = 20.

12. The blacksmith needs to shoe 5 horses. How many horseshoes will the blacksmith need to shoe 4 horses?

horseshoes

13. $0 \times 5 =$



14.

$4 \cdot 5$ is groups of 5 = 20

$$\boxed{} \times 5 = 20$$

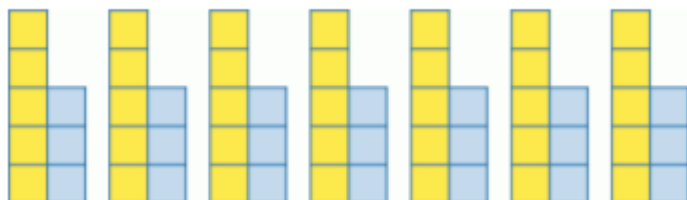


15.

Count the groups to find the missing number.

16. If you worked 3 hours for 9 dollars an hour, how much money did you make?

dollars



17.

7×8 is 7 groups of =

$$\square \times 7 = 35$$



18.

Count the groups and find the missing number.

19. Skip count by 8 and fill in the missing numbers.

8, 16, , 32, 40, 48, 56, 64, 72

20. $\times 9 = 18$

21. A quilt has 9 squares in a row and has 9 rows. How many quilt squares are there?
quilt squares

22. Distribute the equations below.



23. Use the commutative property to fill in the blanks in these multiplication sentences.

$$\square \times 8 = 72$$

$$\square \times 9 = 72$$

24. Which equations show the commutative property of multiplication? Check all that are true.

$12 \times 12 = 6 \times 24y$

$10 + 10 = 2 \times 10$

$4 \times 2 \times 6 \times 8 = 8 \times 6 \times 4 \times 2$

$6 \times 9 \times 2 = 2 \times 6 \times 9$

$6 + 6 + 6 + 6 + 6 + 6 = 3 \times 3 \times 4$

25. How could you solve this problem?

$$5 \times 3 \times 2$$

Check all that are true.

Multiply 3×2 to get 6 and then multiply 6×5 .

Multiply 5×3 to get 15, multiply 3×2 to get 6, and then multiply 15×6 .

Multiply 5×3 to get 15 and then multiply 15×6 .

Multiply 3×2 to get 6 and then multiply 6×15 .

Multiply 5×3 to get 15 and then multiply 15×2 .

26. Use the associative property to fill in the blanks in these multiplication sentences.

$$\square \times (3 \times 4) = 108$$

$$(9 \times 3) \times \square = 108$$

27. Charlie gets paid \$18 for every hour he works. He worked for one hour. How much money did Charlie earn?

\$

28.

How many green blocks of five are there?

What is the missing number for $\square \times 5 = 20$?

29. 4×5 is equal to:

$4 + 4 + 4 + 4 + 4$

$5 + 5 + 5 + 5$

$2 + 2 + 2 + 2$

$2 + 2 + 2 + 2 + 2$

$4 + 4$

30. How many cents or pennies are there in two nickels?

cents

31.

The number is

32. You had two quarters and asked for change and received 5 dimes. How many cents do you have now?

cents

33. Federica found a coin purse with quarters totalling five dollars. How many quarters were in the coin purse?

quarters

34. $4 \div 1 =$

35.

Enter the missing number.

[Equation] $1 = 3$

36. $12 \div 2 =$

37. Your pet frog eats two crickets a day. You have 16 crickets. How many days before you need to buy crickets again?

days

38. The walkway took 3 tiles in each row and required 27 tiles to complete the walkway. How many rows of tiles were there?

rows

39. Divide.

40.

Enter the missing number:

32 [Equation] $4 =$

41. Each of the boxes had four chocolate candies. You ate 12 candies. How many boxes did you open?

boxes

42. A basketball team has 5 players. If you have 30 players in a tournament, how many teams are in the tournament?

team

43. How many groups of 3 are in 18?

44. You rode your bike at a speed of six miles per hour and rode 60 miles. How many hours did you ride your bike?

hours

45. If you read 8 pages every day and you read 56 pages in total, how many days did you spend reading?

days

46. If there are forty books equally divided into 10 boxes, how many books are in each box?

books

47. Estimate the difference. Round each number to the nearest ten and then subtract.

$$243 - 127$$

- 110
- 130
- 120
- 100

48. Estimate the sum. Round each number to the nearest ten and then add

$$145 + 854$$

- 950
- 1,000
- 850
- 900

49. Katelyn had \$132. She spent \$28 buying gifts for her friends and \$32 on books. Estimate how much money she has left by first rounding all numbers to the nearest ten and then subtracting.

\$

50. The number of people that each day entered a sweepstake during one business week:

Estimate how many people entered the sweepstake during the week by rounding to the nearest hundred first and then adding the rounded numbers.

people

51. $18 \div 18 =$

52. You earn \$10 a week for doing chores, and you have just been paid for completing eight weeks of chores. If you were paid \$8 a week doing chores, how many weeks would it take to earn the same amount of money?

weeks

53.

What pattern do you see in the diagonals of the addition table?

- The diagonals don't show a consistent pattern.
- The diagonals increase exponentially.
- The numbers in the diagonals are the same.
- The diagonals increase by two from left to right.
- none of the above

54. Determine if the following sum is even or odd:

$567 + 292$

- Even
- Odd

55.



Multiply the numbers in the opposite corners of the grey box. What pattern do you see?

- The product of the two numbers is different.
- No conclusion can be made.
- The product of the two numbers is the same.

56. Determine if the following product is even or odd:

Odd \times Even

- Even
- Odd

57. If 3 kids are jumping on the trampoline and 6 kids total can jump, how many more kids can join in on the fun? Which of the following equations correctly represents this situation?

- $6 + 3 = k$
- $k - 6 = 3$
- $6 - 3 = k$
- $k - 3 = 6$
- $6 + k = 3$

58. Joseph wants to share his apples with his friends. If he has 20 apples and each of his friends gets 5 apples, how many friends does Joseph share his apples with? Which of the following equations correctly represents this problem?

- $f \div 20 = 5$
- $f \div 5 = 20$
- $20 \div 5 = f$
- $5 \div 20 = f$
- $5 \div f = 20$

59. Tony is making chocolate covered strawberries for his birthday party. There will be 18 friends and 19 family members, including Tony, at the party. Each person should get 2 strawberries. Which of the following is a good estimation of the total number of chocolates covered strawberries Tony needs to make?


- 100 strawberries
- 34 strawberries
- 120 strawberries
- 80 strawberries
- 40 strawberries

60. A teacher offers her students 2 prizes when they get perfect scores on their spelling quizzes. If one of her students gets a perfect score on 5 of the quizzes and already has 4 prizes, how many prizes in total does this student have?
prizes

Domain Name: Number and Operations in Base 10

Question 1:

Which students skip counted by 10 correctly?

Tina  20,30,40,50,60

Ava  40,45,50,55,60

Eric  40,50,60,70,80

Question 2:

Skip count by 10 and fill in the missing numbers.

10, , 30, 40, , , 70, 80, 90

Question 3:

Count by ten.

, , , , 70

Question 4:

Count by ten.

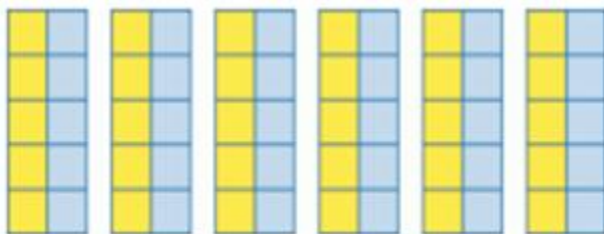
, 40, , ,

Question 5:

Skip count by 10 and fill in the missing numbers.

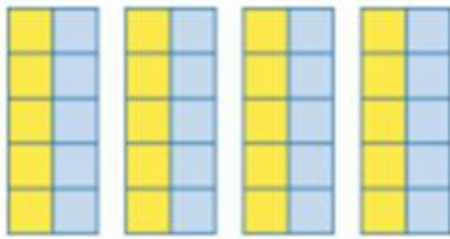
10, 20, 30, 40, , 60, 70, 80, 90

Question 6:



$6 \times 10 = 6 \text{ groups of } \square = \square$

Question 7:



$$4 \times 10 = \square \text{ groups of } 10 = \square$$

Question 8:

Make a model for $6 \times 10 = ?$

Solve the problem.

$$6 \times 10 = \square$$



Question 9:

Multiply:

$$\begin{array}{r} 44 \\ \times 10 \\ \hline \end{array}$$

Question 10:

Multiply:

$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

Question 11:

Multiply:

$$\begin{array}{r} 10 \\ \times 33 \\ \hline \end{array}$$

Question 12:

Show five groups of ten squares.

Solve the problem.

$$5 \times 10 = \square$$



Question 13:

You ran at a speed of ten miles per hour and the race lasted 3 hours. How far did you go?

miles

Question 14:

The teacher had 10 student's complete attention. How many eyes were looking at the teacher?

eyes

Question 15:



What number is missing?

Question 16:

Multiply:



$1 \times 10 =$

Question 17:



What number is missing?

Question 18:

$2 \times \quad = 20$

Question 19:

Find the missing numbers.

$\times 10 = 40$

$60 = 10 \times \quad$

$\times 10 = 80$

$90 = 10 \times \quad$



4 6 8 9

Question 20:

Monty bought ten bouquets of flowers, each of which had six roses. How many roses in total did he buy?

roses

Question 21:

There are seven Super Duper Marts in each state of the United States. How many Super Duper Marts are there in the nation? (Hint: The United States has 50 states.)

Super Duper Marts

Question 22:

For the bake sale, Nolan made 4 batches of brownies. Each batch made 30 brownies. How many brownies did he make?

brownies

Question 23:

A school supply company shipped 9 boxes of erasers. Each box contained 90 erasers. How many erasers did the company ship?

erasers

Question 24:

Add.

$$\begin{array}{r} \square\square\square \\ + 571 \\ \hline \end{array}$$

Question 25:

Click on the problems where you'll need to regroup to subtract.

$\begin{array}{r} 832 \\ - 510 \\ \hline \end{array}$	$\begin{array}{r} 455 \\ - 441 \\ \hline \end{array}$
$\begin{array}{r} 942 \\ - 751 \\ \hline \end{array}$	$\begin{array}{r} 563 \\ - 345 \\ \hline \end{array}$

Question 26:

Fill in the missing value that will balance the equation.

$$\square 28 + 55 = 30 +$$

Question 27:

Balance the equation by filling in the missing number.

$$\square 83 - 51 = \quad - 50$$

Question 28: Select all of the following that are equal to the expression:

$$2 + 3 + 4$$

Check all that are true.

- $2 + 4$
- $5 + 7$
- $2 + (3 + 4)$
- $(2 + 3) + 4$
- $2 + 7$

Question 29:

Add the number in the parenthesis.

$$(6 + 7) + 5 = \quad 6 + (7 + 5) =$$

$$\square + 5 = \quad 6 + \square =$$

$$(6 + 7) + 5 \text{ and } 6 + (7 + 5) = \square$$

13 12 18

Question 30:

Round each number to 70 or 80.



76 72 78 73

Domain Name: Number and Operations - Fractions

1.

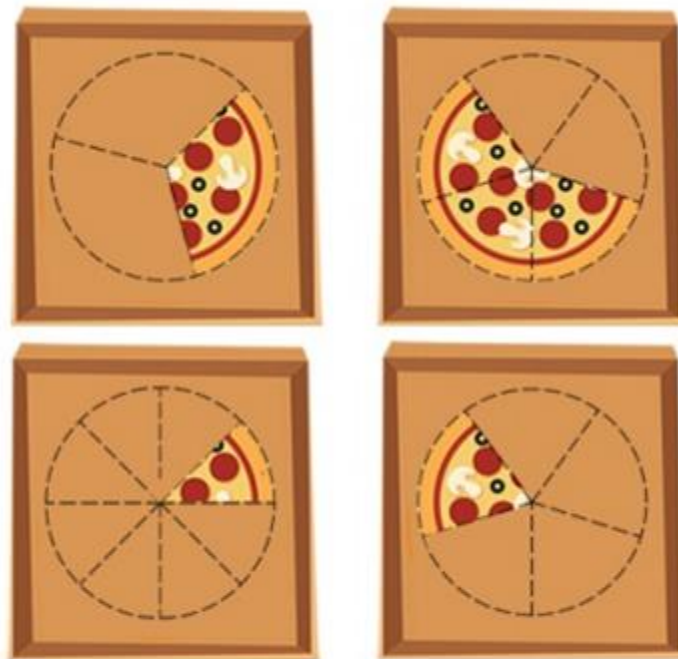


What portion of the rectangle is shaded?

- 2/4
- 1/4
- 1/3
- 1/5

2.

Select the box that has one-third of a pizza remaining.

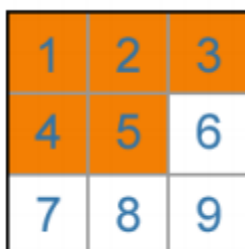


3.
What portion of the circle is shaded?



Enter answer as a fraction:

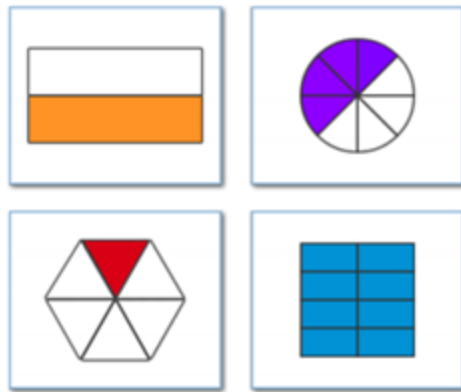
4.
What portion of the square is shaded?



Enter answer as a fraction:

5.
Which model shows

?



6.

Compare.

$4/5$ is _____ $1/5$

- Greater than
- Less than
- Equal to

7.

Which fraction represents the model below?



- 1818
- 1414
- 1616
- 1313

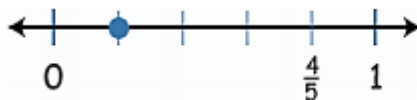
8.

Compare.

$2/4$ is _____ $2/9$

- >
- <
- =

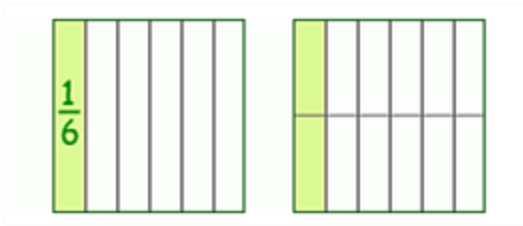
9.



What fraction does the number line show where the blue dot is located?

- $4/5$
- $1/5$
- $2/5$
- $3/5$

10.



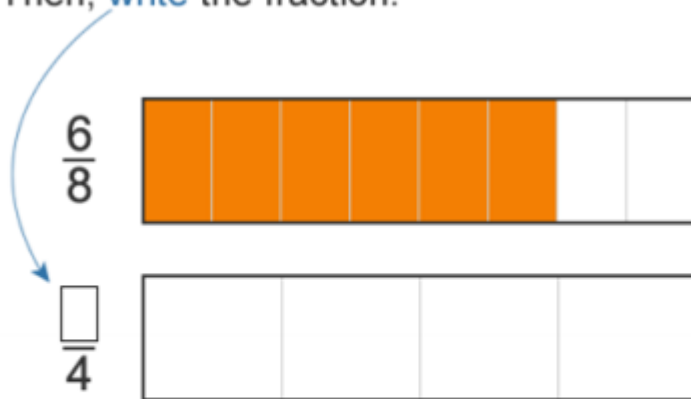
Write the equivalent fraction that is represented by the second square.

[Equation]

11.

Make the bottom rectangle equivalent.

Then, write the fraction.



12.

Find the missing number to make these fractions equal.

$$\frac{1}{2} = \frac{\boxed{}}{6}$$

13.

Select the fraction which when multiplied gives equivalent fraction.

14.

Move the fractions needed to create equivalent fractions.

15.

One-third of the army has no shoes. How many sixths is that?

16.

You gave away $\frac{2}{5}$ of your stamp collection. How many fifteenths is that?

$$\frac{\boxed{}}{2} = \frac{5}{15}$$

17.

Fill in the blank to create a fraction equal to the whole number.

3 = 12

18.

Fill in the blank to create a fraction equal to the whole number.

2 = 4

19.

Drag the whole numbers to the correct fraction

20.

The whole number 4 is equivalent to which fractions?

Check all that are true.

- 28/7
- 12/2
- 4/1
- 36/9

21.

Fill

5555

of the sand box.

22.

What portion of the circle is shaded?

- 1/5
- 1/4
- 2/3
- 2/4
- None of the above

23.

Which model shows [Equation] ?

24.

Which model shows [Equation] ?

25.

Compare.

5/6 is ____ 5/8 .

- >
- <
- =

26.

What fraction does the number line show where the blue dot is located?

- 5/8

- $3/4$
- $7/8$
- $3/8$
- none of the above

27.

Fill in the blank to create a fraction equal to the whole number.

$3 = \frac{\quad}{6}$

28.

The whole number 2 is equivalent to which fractions?

Check all that are true.

- $1/0$
- $2/1$
- $8/4$
- $4/2$

29.

You ate $2/3$ of the pizza. How many twelfths is that?

$\frac{\quad}{2} = \frac{3}{12}$

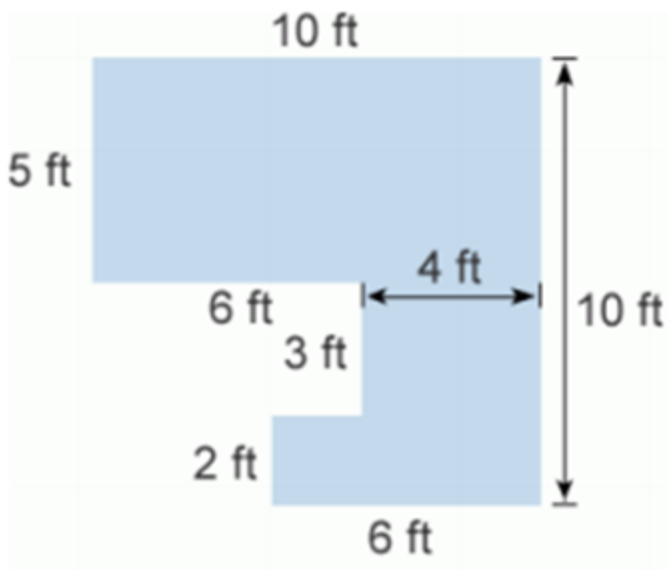
30.

Write the equivalent fraction that is represented by the second square.

$\frac{\quad}{1} = \frac{\quad}{2}$

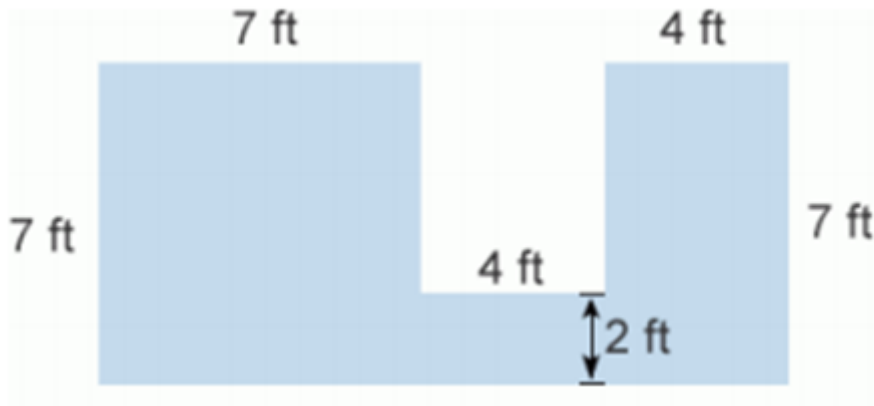
Domain Name: Measurement and Data

1.



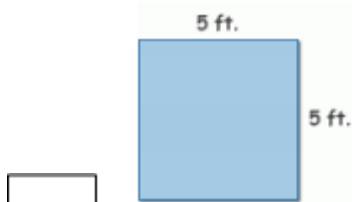
Find the total area of the figure.
square feet

2.



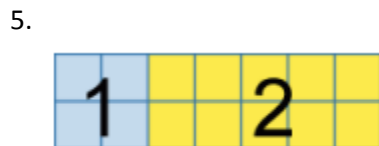
Find the total area of the figure.
square feet

3.
Find the area.



square feet

4.
 A garage measures 9 meters by 10 meters. What is the area of the garage?
square meters



Find the area of the two figures and the total area of the rectangle.

Figure 1: square units

Figure 2: square units

Total Area: square units

6.

Find the area of the figure.
square feet

7.

Find the area of the rectangle.
square units

8.

Find the total area of the rectangle.
square inches

9.



Katrina decides to build a table for her kitchen. How many square feet of space will she need in the kitchen in order to fit the table?

square feet of space

10.



Find the perimeter of the green rectangle.

units

11.



Find the perimeter of the rectangle.

feet

12.



Find the perimeter of the following parallelogram.

meters

13.



Find the perimeter of the polygon.

inches

14.



The perimeter of the polygon is 24 in. What is the length of side x?

inches

15.



What is the perimeter of rectangle A? feet

What is the perimeter of rectangle B? feet

What is the area of rectangle A? ft²

What is the area of rectangle B? ft²

16.



Find the perimeter of the polygon.

feet

17.



Tim decides to walk the perimeter of the park. How far will he walk?

kilometers

18.

Rico needs a sweater to feel warm enough playing outside, but a heavy coat and gloves would be too warm. Which of the following temperatures is most likely?

- 32[Equation]F

- 50[Equation]F
- 75[Equation]F
- 90[Equation]F
- 212[Equation]F

19.



What temperature is indicated by this thermometer?

- 20[Equation]F
- 30[Equation]F
- 40[Equation]F
- 50[Equation]F
- 70[Equation]F

20.



What time is the clock showing?

- 3:48
- 4:16
- 5:16
- 3:44
- 3:24

21.



How many hours are shown on the digital clock?

hours

How many minutes are shown on the digital clock?

minutes

22.

Henry sat down to eat dinner at 6:50 P.M. and he ate for a total of 30 minutes. What time was it when he finished eating?

: P.M.

23.

If Chris looks at the the clock 10 minutes into class and the clock reads 9:15 A.M., what time did class begin?

: A.M.

24.

The basketball game started at 7:05 P.M. and ended at 8:00 P.M. How long did the basketball game last?

minutes

25.

If it is 11:05 A.M. right now, what time will it be in 55 minutes?

- 12:00 A.M.
- 12:00 P.M.
- 11:50 A.M.
- 11:50 P.M.

26.

Oliver started looking for his missing cat at 10:50 A.M. If he found it at 12:00 P.M., how long did he spend looking? Use the number line below to find the elapsed time.

- 40 minutes
- 70 minutes
- 55 minutes
- 85 minutes

27.

Laura and Helen played three games of table tennis starting at 6:55 P.M. If each game took 15 minutes to play, when did Laura and Helen finish playing?

- 7:20 P.M.
- 7:30 P.M.
- 7:40 P.M.
- 7:50 P.M.

28.

Which is the best estimate for the volume of a blender?

- 150 L
- 30 L
- 2 L

29.

Which is the best estimate for the mass of a loaf of bread?

- 14 g
- 45 g
- 550 g

30.

Which is the best estimate for the mass of a couch?

- 17 kg
- 4 kg
- 100 kg

31.

If the volume of the smaller bathtub is 125 liters, what is the volume of a bathtub that is two times as large?

- 600 L
- 500 L
- 250 L
- 700 L
- 650 L

32.

Three students were assigned to bring juice to the class picnic. One student brought 4 L, another student brought 3 L, and the third student brought 2 L. How much juice did the three students bring in total?

L

33.

What was the greatest distance traveled by any of the leatherback turtles?

miles

34.



A Ferrari is how much faster than an Audi?

miles per hour

35.

What is the length of the miniature highlighter in inches?



Inches

36.



After creating a line plot for the length of objects on your teacher's desk, you find a pencil eraser that is 1 inch long you forgot to include. Select the line plot that correctly adds the new data point.



37.



How many vegetables on the line plot are shorter than 2 inches?

38.

Mary Ann found 4 nickels in the couch, 2 dollars in her wallet, and 3 quarters under the car seat.

How much money did she find in all?

- \$3.05
- \$2.95
- \$2.80
- \$2.85

39.

Rick took \$4.62 to the store. He used 5 quarters and 3 pennies to buy fruit. How much money does Rick have now?

- \$1.67
- \$3.34
- \$4.43
- \$2.59

40.

Aisha had \$3.74 when she went to the store to buy candy. She spent 5 nickels, 2 quarters, and 7 pennies at the store. How much money does Aisha have now?

- \$2.92
- \$3.05
- \$3.12
- \$2.87

Domain Name: Geometry

1.



What portion of the rectangle is shaded?

- $2/4$
- $1/4$
- $1/3$
- $1/5$

2.

Shade in $2/3$ of the rectangle.



3.

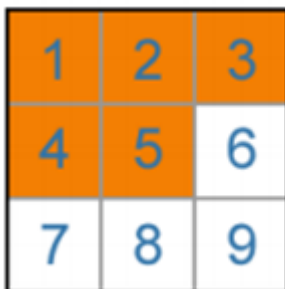
What portion of the circle is shaded?



Enter answer as a fraction.

4.

What portion of the square is shaded?



Enter answer as a fraction.

5.

Match each fraction with the correct picture.



6.

Which shape has zero parallel sides?



7.

Which shape has exactly 1 set of parallel sides?



8.



Which terms describe the shape?

Check all that are true.

- Quadrilateral
- Parallelogram
- Trapezoid
- Rhombus
- Rectangle

9.

Which shapes are polygons?

Check all that are true.



10.

Which of these shapes has a right angle?

Check all that are true.



11.



What portion of the circle is shaded?

- $1/5$
- $1/4$
- $2/3$
- $2/4$
- None of the above

12.



Which terms describe the shape?

Check all that are true.

- Quadrilateral
- Parallelogram
- Trapezoid
- Rhombus
- Rectangle

13.



What is this figure?

Check all that are true.

- Square
- Parallelogram
- Quadrilateral
- Triangle

- Rectangle
- none of the above

14.

Which shape has exactly 3 sets of parallel sides?

15.

Which shape has exactly 2 sets of parallel sides?

16.

Adam drew a shape that is a quadrilateral and has 4 right angles. Each side has the same length. Which of the following could be Adam's shape?

17.

Jill drew a shape that has zero angles and zero sides. Which of the following could be Jill's shape?

18.

Which shapes are polygons?

Check all that are true.

19.

Which shapes are polygons?

Check all that are true.

20.

Which of these shapes have a right angle?

Check all that are true.