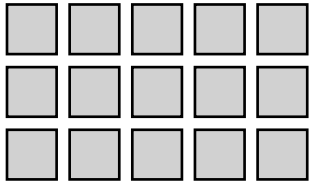


Name \_\_\_\_\_ Date \_\_\_\_\_

**Give the best answer for each question.**

- 1.** Write a multiplication equation for the array.



\_\_\_\_\_

- 2.** Which multiplication equations describe  $2 + 2 + 2 + 2 + 2 = 10$ ? Select all that apply.

- $5 \times 2 = 10$   
  $2 \times 2 = 10$   
 2 fives = 10  
 5 twos = 10

- 3.** Allan has 4 pairs of gloves in his closet. Which multiplication equation expresses how many gloves are in the closet?

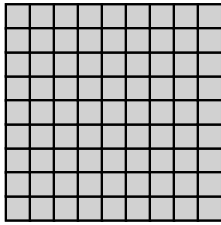
- $4 \times 4 = 16$   
  $4 \times 2 = 8$   
  $4 + 4 = 8$   
  $2 \times 2 \times 2 = 8$

- 4.** There are 9 rows in Luisa's section at the theater with 5 seats in each row. How many seats are there altogether in Luisa's section?

Draw a diagram to help you find the answer.

\_\_\_\_\_

5. Divide 81 into 9 equal parts. How many are in each part?

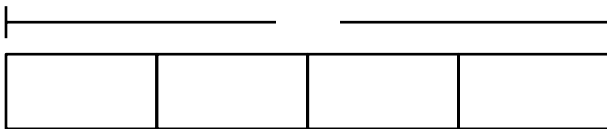


- 9                       21  
 18                       27

6. There are 24 plants. Eight plants fit on each shelf. How many shelves will the plants fill?

\_\_\_\_\_

7. Brian has 4 packs of trading cards with 6 cards in each pack. Use the bar model to find the total number of cards.



8. Paul has 20 erasers. He gives 5 to each new friend who comes to his house to visit. How many new friends visit before Paul runs out of erasers?

\_\_\_\_\_

9. Six children all have 5 toes on each foot. How many toes do they have altogether?

- 15                       45  
 30                       60

- 10.** Write the equivalent addition equation.

$$2 \times 7 = 14$$

\_\_\_\_\_

- 11.** Which multiplication equations are true? Select all that apply.

$10 \times 1 = 10$

$0 \times 7 = 7$

$1 \times 1 = 1$

$0 \times 0 = 0$

$9 \times 1 = 0$

$1 \times 5 = 5$

- 12.** Sara has 24 pieces of firewood. If each bundle uses 8 pieces of wood, how many bundles of firewood can Sara make?

Draw a diagram to help you find the answer.

\_\_\_\_\_

- 13.** Which multiples of 2 are also multiples of 8?

2

18

4

20

6

22

8

24

10

26

12

28

14

30

16

32

- 14.** Match each multiplication expression with its product.

$7 \times 8$

32

$6 \times 4$

56

$8 \times 4$

42

$4 \times 4$

16

$7 \times 6$

24

- 15.** Each classroom has 30 students. How many students are in 5 classrooms?

100

150

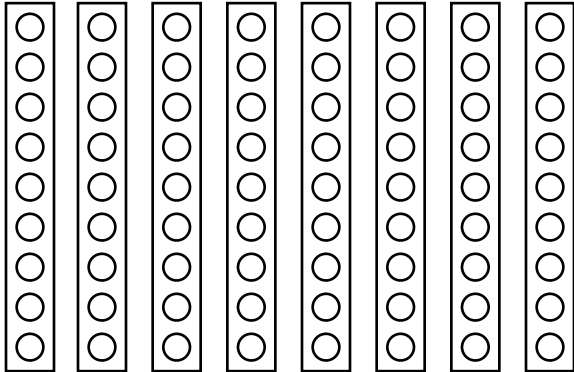
160

180

16. Oscar's garden has 8 rows of vegetables with 9 plants in each row. The first three rows have only lettuce plants and the other 5 rows have only carrot plants.

**Part A**

Color the lettuce plants.



**Part B**

How many plants are there?

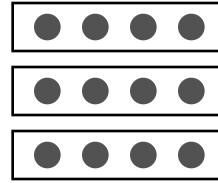
Lettuce:  $3 \times 9 = \underline{\quad}$

Carrots:  $5 \times 9 = \underline{\quad}$

Total:  $8 \times 9 = \underline{\quad}$

17. Eighteen children go on a trip in 3 vans. If they divide themselves equally, how many children should ride in each van?
- \_\_\_\_\_

18. Write a multiplication sentence and a division sentence to describe the picture.



\_\_\_\_\_

19. Divide.

$$40 \div 5 = ?$$

7

8

9

10

20. Mia has \$20 in \$5 bills. How many bills does she have?

\_\_\_\_\_

**21.** Find the quotient.

$28 \div 7 = \underline{\hspace{2cm}}$

**22.** Write  $>$ ,  $<$ , or  $=$ .

$8 \bigcirc 54 \div 9$

**23.** Write the complete fact family for 6, 8, and 48.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

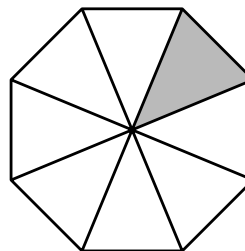
**24.** Use the order of operations to simplify.

$8 + 36 \div 9$

\_\_\_\_\_

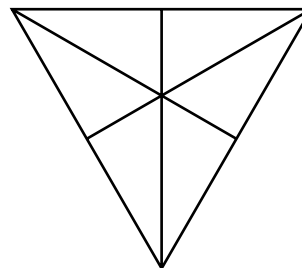
\_\_\_\_\_

**25.** Which fraction represents the shaded part?

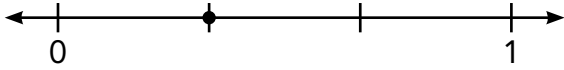


- $\frac{1}{3}$
- $\frac{1}{4}$
- $\frac{1}{6}$
- $\frac{1}{8}$

**26.** Shade in  $\frac{4}{6}$  of the triangle.

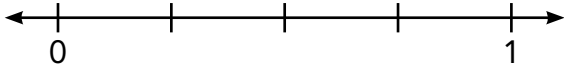


27. Name the fraction shown on the number line.



\_\_\_\_\_

28. Mark  $\frac{2}{4}$  on the number line.



29. Shade  $\frac{3}{4}$  of the bar.



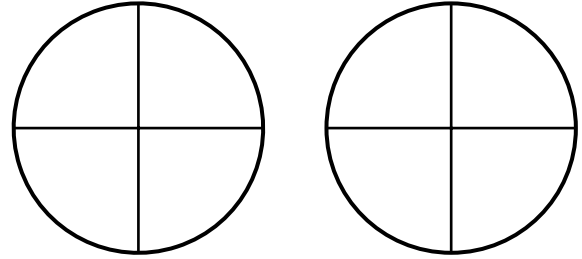
30. Write the fractions in order from least to greatest.

$$\frac{2}{3} \quad \frac{2}{6} \quad \frac{2}{8}$$

\_\_\_\_\_ < \_\_\_\_\_ < \_\_\_\_\_

31. Model each fraction. Write  $<$ ,  $>$ , or  $=$ .

$$\frac{1}{4} \bigcirc \frac{3}{4}$$



32. **Part A**  
Compare.

$$\frac{3}{4} \bigcirc \frac{3}{8}$$

**Part B**  
Explain your answer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

33. Write the time in standard form.

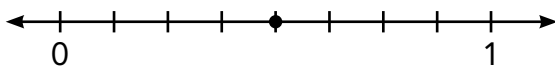
8 minutes before 7:00

\_\_\_\_\_

**34.** When Maura finished the bike race, Jennie was  $\frac{2}{3}$  of the way finished, Rita was  $\frac{5}{6}$  of the way, and Susan was  $\frac{6}{8}$  of the way. Who was farthest from Maura when she finished the bike race?

- Jennie
- Rita
- Susan

**35.** Which fractions describe the point on the number line?



- $\frac{2}{6}$
- $\frac{1}{4}$
- $\frac{4}{8}$
- $\frac{1}{2}$

**36. Part A**

Round 748 to the nearest ten.

\_\_\_\_\_

**Part B**

Round 748 to the nearest hundred.

\_\_\_\_\_

**37.** All squares are parallelograms. Are all parallelograms squares? Explain.

\_\_\_\_\_

\_\_\_\_\_

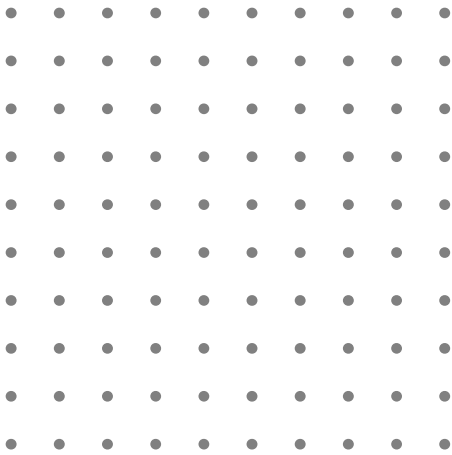
\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

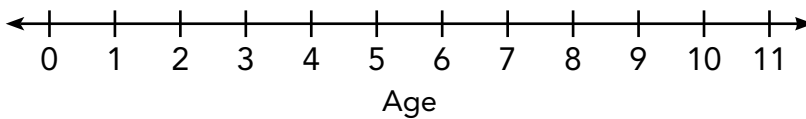
\_\_\_\_\_

**38.** Jonathan makes a picture frame. His frame is a trapezoid that has two right angles. Draw one way Jonathan could have made his frame.



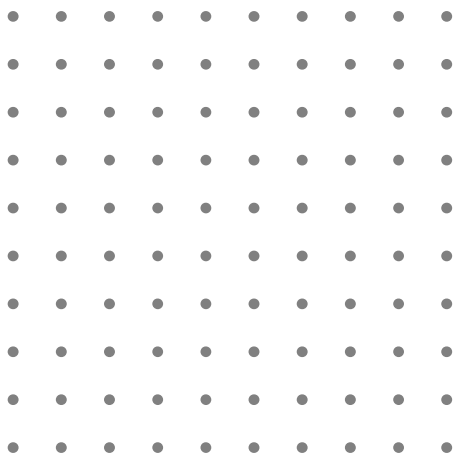
**39.** Based on the tally chart, draw a line plot to represent the ages of players on the basketball team.

Ages of Players	
7	
8	
9	
10	
11	

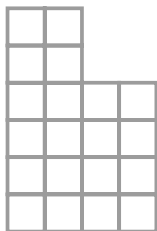




- 40.** Draw a quadrilateral with one right angle, no parallel sides, and two sides of equal length.

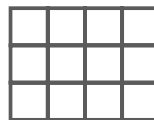


- 41.** Find the area of the composite figure.



Area = \_\_\_\_\_ sq units

- 42.** In the figure, each small square is 1 square unit.



**Part A**

Write an addition equation you could use to find the total area of the rectangle.

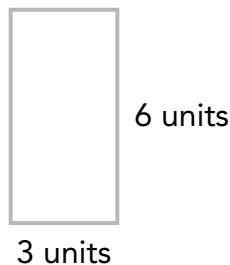
\_\_\_\_\_

**Part B**

Write a multiplication equation you could use to find the area of the rectangle.

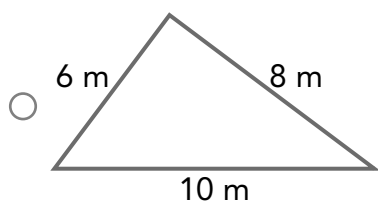
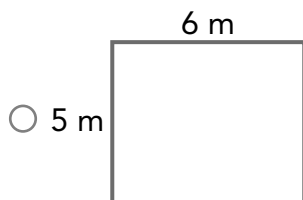
\_\_\_\_\_

- 43.** Find the area.

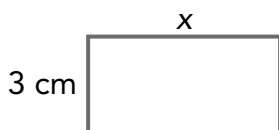


The area is \_\_\_\_\_ square units.

44. Which figure has a perimeter that is less than 24 meters?



45. If the perimeter of the rectangle is 36 cm, what is the value of  $x$ ?



- 3 cm  
 6 cm  
 9 cm  
 15 cm

46. A rectangle has a perimeter of 64 ft. Which of the following are possible dimensions?

- 8 ft by 8 ft  
 16 ft by 16 ft  
 25 ft by 7 ft  
 16 ft by 4 ft

47. A rectangular rug has an area of 40 square feet and a length of 8 feet. What is the perimeter of the rug?

\_\_\_\_\_ ft