

Name _____ Date _____

Give the best answer for each question.

1. What is 461 rounded to the nearest hundred?

2. Each classroom has 30 students. How many students are in 5 classrooms?

- 100 students
 150 students
 160 students
 180 students

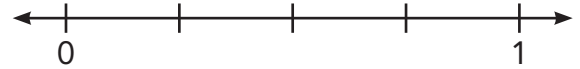
3. What is 854 rounded to the nearest ten?

- 800
 850
 860
 900

4. Add.

$$\begin{array}{r} 298 \\ + 43 \\ \hline \end{array}$$

5. Plot $\frac{2}{4}$ on the number line.



6. Which equations also represent $2 + 2 + 2 + 2 + 2 = 10$? Select **all** that apply.

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

7. A school play costs \$5 for each adult ticket and \$3 for each student ticket. A family buys 3 student tickets and 1 adult ticket. How much does the family spend on tickets?

\$_____

8. Add.

$$\begin{array}{r} 475 \\ +187 \\ \hline \end{array}$$

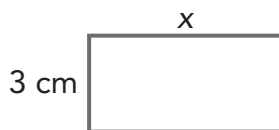
9. Match each multiplication expression with its product.

7×8	32
6×4	56
8×4	42
4×4	16
7×6	24

10. Bryan has 3 boxes of apples. Each box has 20 apples. How many apples does Bryan have in all?

_____ apples

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



- 3 cm 6 cm
- 9 cm 15 cm
12. Eighteen children go on a trip in 3 vans. Each van takes the same number of children. How many children ride in each van?

_____ children

13. Which fractions describe the point on the number line? Select **all** that apply.



- $\frac{2}{6}$ $\frac{1}{4}$
- $\frac{4}{8}$ $\frac{1}{2}$
14. Ken buys 7 pairs of socks for \$2 each and a T-shirt that costs \$12. How much does Ken spend?

\$ _____

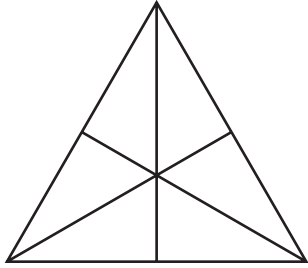
15. Which multiplication equations are true? Select **all** that apply.

- $10 \times 1 = 10$
- $0 \times 7 = 7$
- $1 \times 1 = 1$
- $0 \times 0 = 0$
- $9 \times 1 = 0$

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

_____ ft

17. Shade $\frac{4}{6}$ of the triangle.

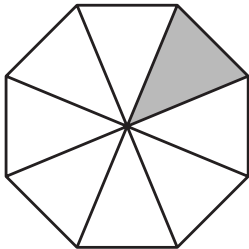


18. Divide.

$40 \div 5 = ?$

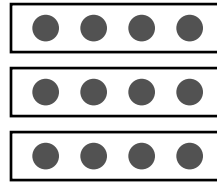
- 7
- 8
- 9
- 10

19. Which fraction represents the shaded part?



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

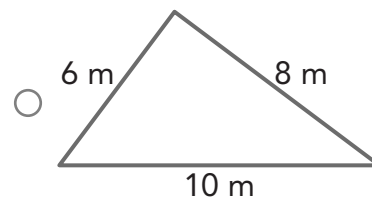
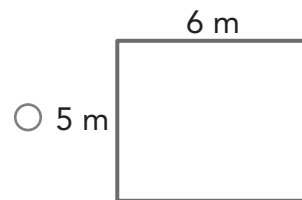
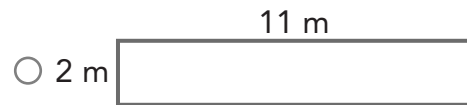
20. What is a division equation for the model?



21. A number line from 0 to 1 is divided into 7 equal parts. What does the mark before $\frac{4}{7}$ represent?

- $\frac{5}{7}$
- $\frac{1}{2}$
- $\frac{3}{7}$
- 0

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

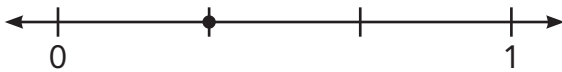


23. What is the equivalent addition equation for $2 \times 7 = 14$?

24. Find the unknown number.

$$8 \times \underline{\quad} = 56$$

25. What fraction describes the point on the number line?



26. Rachel plans to bake 120 cookies for her friend's birthday party. So far, she has baked 4 batches of 20 cookies each. How many more cookies does she need to bake?

_____ cookies

27. Shade $\frac{3}{4}$ of the model.



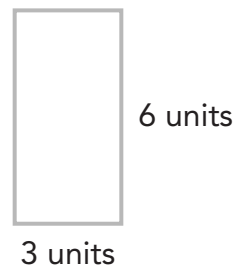
28. Find the unknown number.

$$\underline{\quad} \times 6 = 54$$

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

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

30. Find the area.



The area is _____ square units.

- 31.** Describe a context in which a total number of items can be expressed as 3×8 . What is the total number of items?
- 32.** Jared says that 748 rounded to the nearest hundred is 800 because 8 is greater than 5. He said, "I round up 748 to 750, and then 750 to the nearest hundred is 800." Is Jared correct? Explain.
- 33.** Sam cuts a small pie into 6 equal pieces. His younger brothers eat 4 pieces. Sam eats the rest. What fraction of the pie does Sam eat? Explain how you got your answer.
- 34.** All squares are parallelograms. Are all parallelograms squares? Explain.

35. Peter is packaging cookies for a bake sale. He made a total of 48 cookies and wants to put the same number of cookies in each bag. How many more bags will Peter have if he puts 4 cookies in a bag instead of 6 cookies in a bag? Explain.

36. There are no passengers on the bus before the first stop. At the first three bus stops, 4 people get on at each stop and no one gets off the bus. At the fourth bus stop, 7 people get off the bus and no one gets on the bus. Lara says that there are now 5 passengers left on the bus. Maya says that there are now 11 passengers left on the bus. Who is correct? Explain.

37. A group of 12 students will be assigned seats at 3 tables. The same number of students will sit at each table.

Which facts can you use to find how many students will sit at each table? Select **all** that apply.

$12 \div 3 = 4$

$12 + 3 = 15$

$3 \times 4 = 12$

$12 - 3 = 9$

38. Use the table.

×	0	1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10
2	0	2	4	6	8	10	12	14	16	18	20
3	0	3	6	9	12	15	18	21	24	27	30
4	0	4	8	12	16	20	24	28	32	36	40
5	0	5	10	15	20	25	30	35	40	45	50
6	0	6	12	18	24	30	36	42	48	54	60
7	0	7	14	21	28	35	42	49	56	63	70
8	0	8	16	24	32	40	48	56	64	72	80
9	0	9	18	27	36	45	54	63	72	81	90
10	0	10	20	30	40	50	60	70	80	90	100

Part A

What pattern do you see when multiplying two odd numbers?

An odd number times an odd number is _____.

Part B

What pattern do you see when multiplying an odd number and an even number?

An odd number times an even number is _____.

39. Part A

Compare.

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

Part B

Explain your answer.

40. There are 9 rows in Luisa's section at the theater.
Each row has 5 seats.

Part A

Make an array to represent the situation.

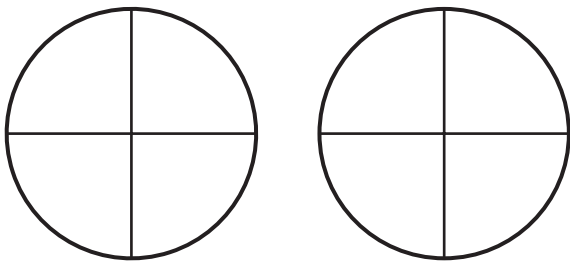
Part B

How many seats are there altogether in Luisa's section?

_____ seats

41. **Part A**

Model $\frac{1}{4}$ and $\frac{3}{4}$ by shading the circles.

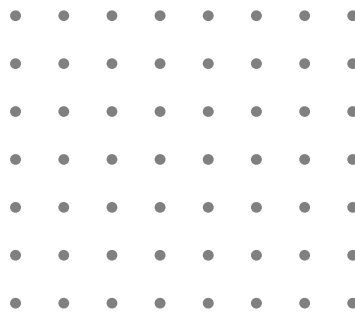


Part B

Compare the fractions. Write $<$, $>$, or $=$.

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

42. Jonathan makes a picture frame.
His frame is a trapezoid.



Part A

Draw one way Jonathan could have made his frame.

Part B

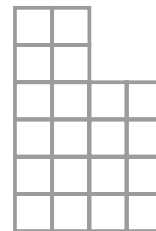
How many right angles could the frame have?

Select **all** that apply.

- 0 1 2 3 4

43. Part A

How can you decompose the given shape into rectangles to find its area?



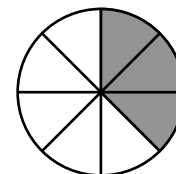
Part B

What is the area of the shape?

_____ square units

44. Part A

What fraction is shown by the model?



Part B

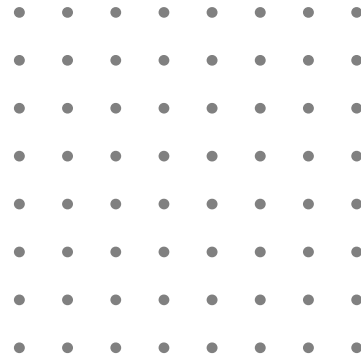
Explain how you found the denominator.

45. Part A

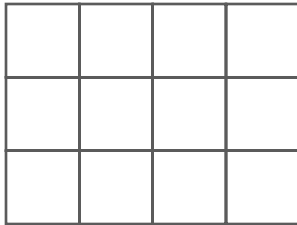
Draw a quadrilateral with one right angle, no parallel sides, and two sides of equal length.

Part B

Is your figure a trapezoid? _____



46. 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.

47. Madelyn buys 5 boxes of pens. Each box has 3 red pens and 6 blue pens. Madelyn says she has 90 pens.

Part A

What is Madelyn's error?

Part B

How many pens did Madelyn buy?

_____ pens