



# Unit 1

**Directions:**

Today, you will take Unit 1 of the Grade 3 Mathematics Practice Test. You will not be able to use a calculator.

Read each question. Then, follow the directions to answer each question. Circle the answer or answers you have chosen in your test booklet. If you need to change an answer, be sure to erase your first answer completely. If a question asks you to show or explain your work, you must do so to receive full credit. Only responses written within the provided space will be scored.

If you do not know the answer to a question, you may go on to the next question. If you finish early, you may review your answers and any questions you did not answer in this unit ONLY. Do not go past the stop sign.

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Unit 1



**Directions for Completing the Answer Grids**

1. Work the problem and find an answer.
2. Write your answer in the boxes at the top of the grid.
3. Print only one number or symbol in each box. Do not leave a blank box in the middle of an answer.
4. See below for examples on how to correctly complete an answer grid.

**EXAMPLES**

To answer 632 in a question, fill in the answer grid as shown below.

6	3	2			
○	○	○	○	○	○

A brick path has 10 rows of 4 bricks. How many bricks are in the path?

Enter your answer in the box.

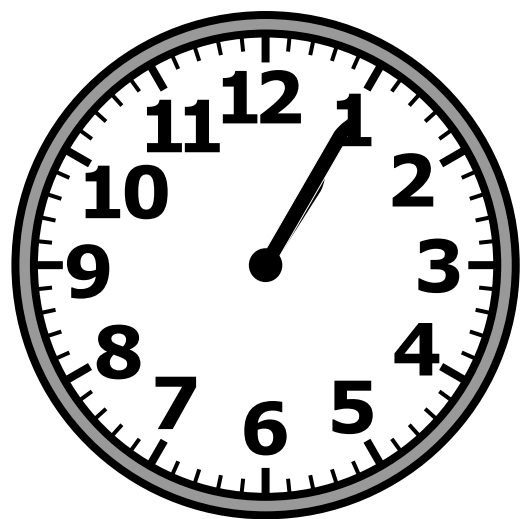
4	0				
○	○	○	○	○	○



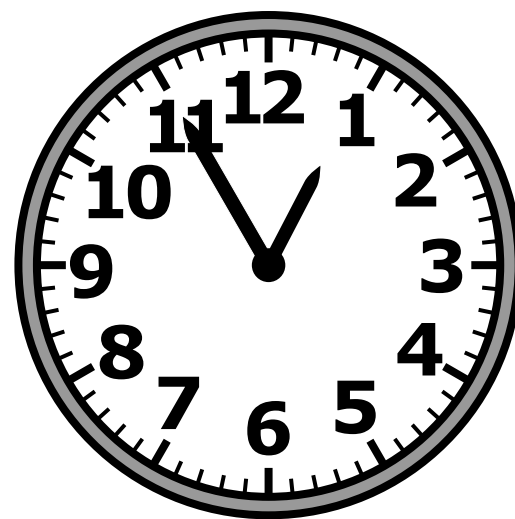
2. Ana starts eating lunch at 12:15 p.m. She finishes eating lunch 40 minutes later.

Which clock shows the time that Ana finishes eating lunch?

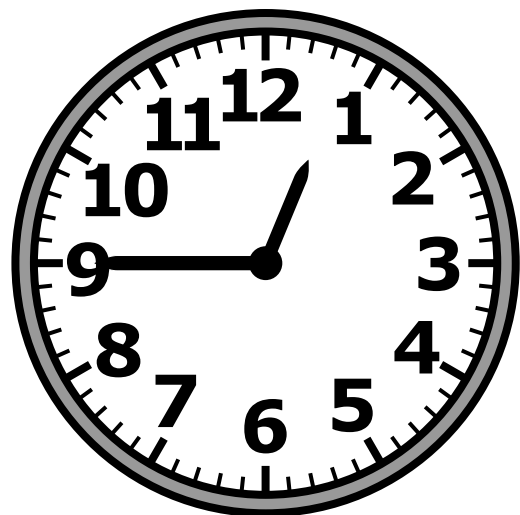
(A)



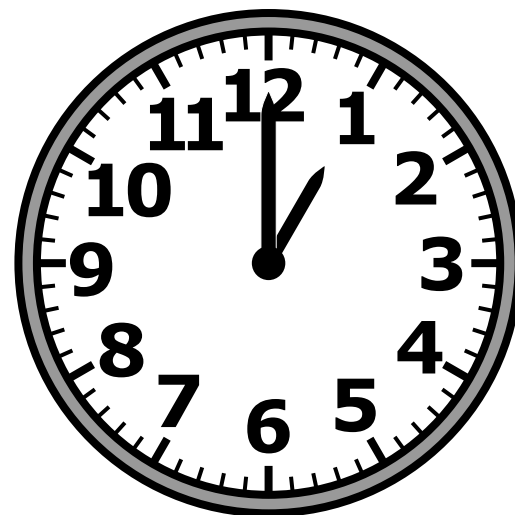
(B)



(C)



(D)





**Part B**

Nolan saves some more pennies and now has 187 pennies all in one jar. He finds 10 more pennies in his pocket.

What is the total number of pennies Nolan has after he adds the 10 pennies from his pocket to the jar?

Enter your answer in the box.

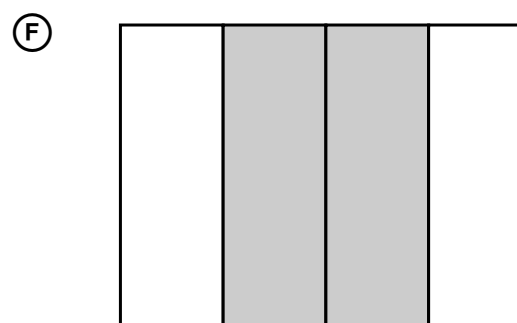
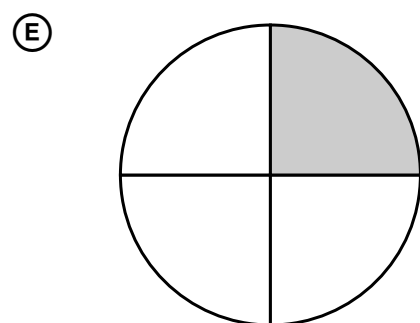
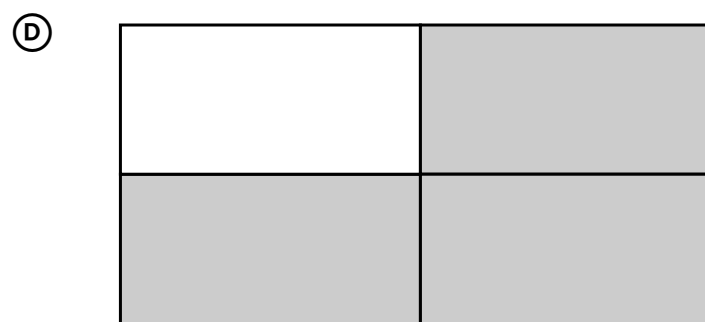
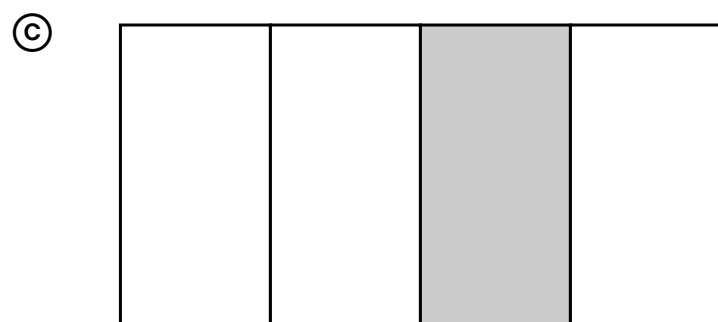
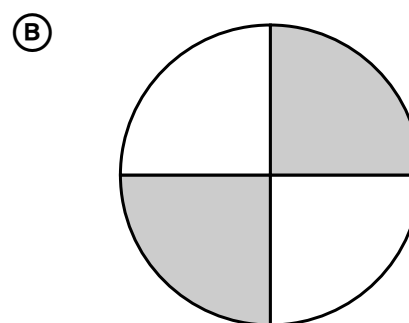
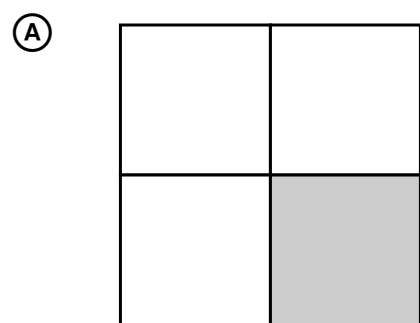
○	○	○	○	○	○	○	○	○	○





4. Each model equals one whole divided into equal parts. Which models show  $\frac{1}{4}$  shaded?

Select the **three** correct answers.





**GO ON TO NEXT PAGE**

**Mathematics**

Use the information provided to answer Part A and Part B for question 6.

Cindy is finding the quotient for  $27 \div 9$ . She says, "The answer is 18 because addition is the opposite of division and  $9 + 18 = 27$ ."

**6. Part A**

Identify the incorrect reasoning in Cindy's statement.

Enter your explanation in the space provided.

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**SERIAL #**

**Part B**

Show or explain how Cindy can correct her reasoning.

Find the quotient when 27 is divided by 9.

Enter your answer and your work or explanation in the space provided.

**Mathematics**

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7. Select the **three** equations that are correct.

Ⓐ  $7 \times 9 = 63$

Ⓑ  $48 \div 8 = 6$

Ⓒ  $4 \times 9 = 38$

Ⓓ  $30 \div 5 = 8$

Ⓔ  $42 \div 7 = 6$

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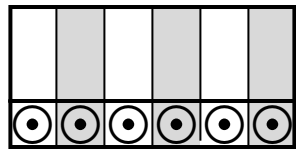




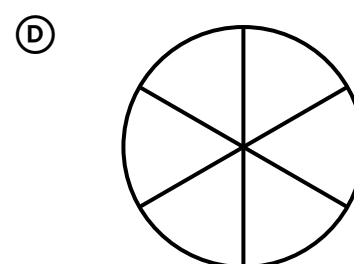
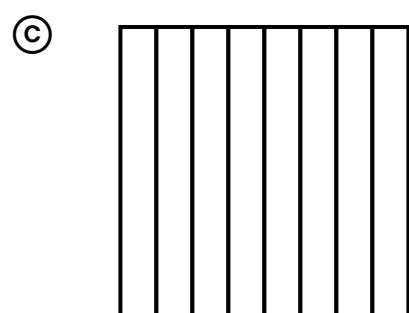
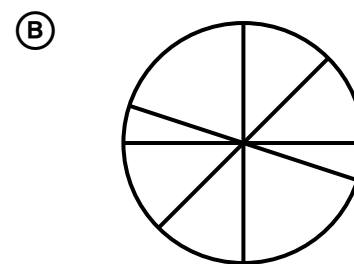
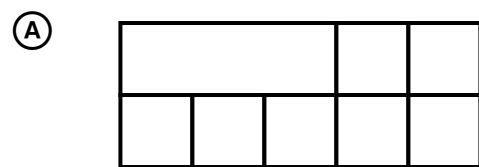
**Part B**

How many **more** packages did Mr. Conley deliver on Monday and Tuesday than he did on Thursday and Friday?

Enter your answer in the box.

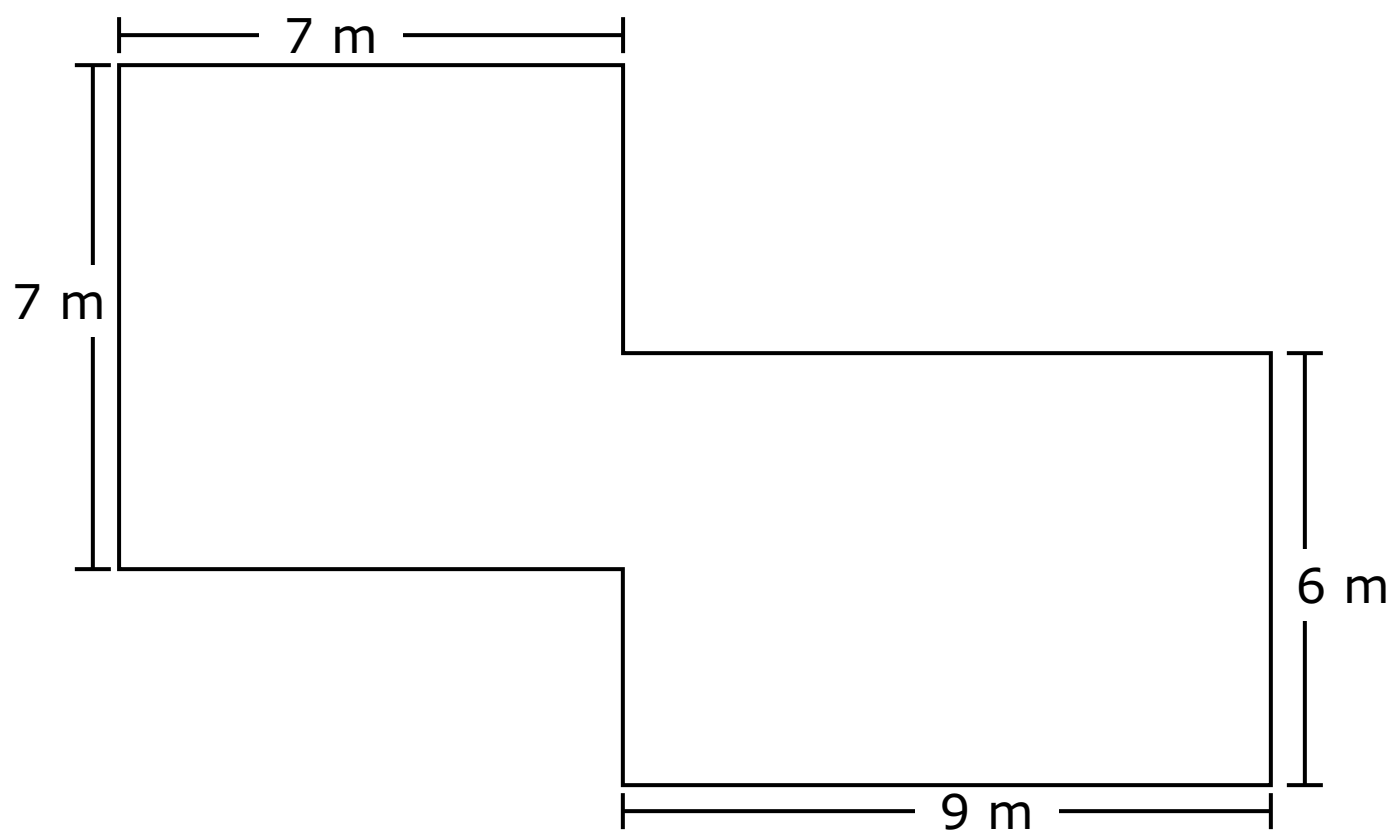


- **9.** Sandy draws a shape. She divides it into parts. Each part is  $\frac{1}{8}$  the area of the shape. Which shape could be the one Sandy draws?





11. A model of a playground is shown.



Find the area, in square meters, of the playground. Explain your answer using an equation or equations.

Enter your answer and your explanation using your equation or equations in the space provided.

**Mathematics**

**12.** Which **three** statements can be represented by the expression  $24 \div 4$  ?

- Ⓐ Jake makes 24 muffins. He gives away 4 muffins.
- Ⓑ Collin has 24 toy trucks. He sorts them into groups of 4 trucks each.
- Ⓒ Amira has 24 trading cards. She puts them into piles containing 4 cards each.
- Ⓓ Rosemary puts 24 stickers in each book. She uses enough stickers to fill 4 books.
- Ⓔ Steven fills a new bookshelf with 24 books. He puts the same number of books on each of the 4 shelves.



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**SERIAL #**



**You have come to the end of Unit 1 of the test.**

- **Review your answers from Unit 1 only.**
- **Then, close your test booklet and raise your hand to turn in your test materials.**





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6	3	2			
○	○	○	○	○	○

A brick path has 10 rows of 4 bricks. How many bricks are in the path?

Enter your answer in the box.

4	0				
○	○	○	○	○	○

13. Which **two** ways show how to find the value of  $7 \times 40$ ?

Select the **two** correct answers.

- Ⓐ  $7 \times 4$
- Ⓑ  $4 \times 10$
- Ⓒ  $7 \times 4 \times 10$
- Ⓓ 7 groups of 4 ones
- Ⓔ 7 groups of 4 tens





**Mathematics**

Use the information provided to answer Part A and Part B for question 14.

Third-grade students took a total of 1,000 pictures for the yearbook during the school year.

- Ted took 72 pictures.
- Mary took 48 pictures.

**14. Part A**

What is the total number of pictures taken by the rest of the third-grade students during the school year?

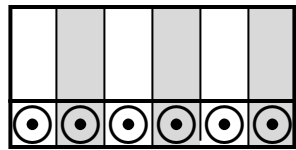
Enter your answer in the box.

○	○	○	○	○	○

**Part B**

Ella took 8 more pictures than Ted took. How many more pictures did Ella take than Mary?

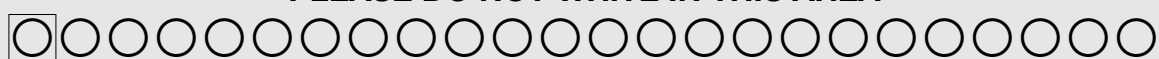
Enter your answer in the box.



15. A tablet has a rectangular screen with a width of 7 inches and a length of 9 inches. Select the **three** ways to calculate the area of the screen, in square inches.

- (A)  $7 \times 7$
- (B)  $7 \times 9$
- (C)  $9 \times 7$
- (D)  $9 \times 9$
- (E)  $7 + 7 + 7 + 7 + 7 + 7 + 7$
- (F)  $9 + 9 + 9 + 9 + 9 + 9 + 9$

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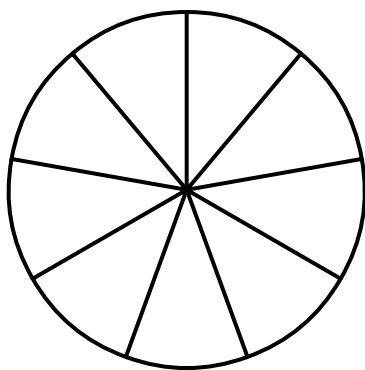
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16. Gina’s bedroom floor is in the shape of a rectangle. It is 10 feet long and 9 feet wide. What is the area of Gina’s bedroom floor?

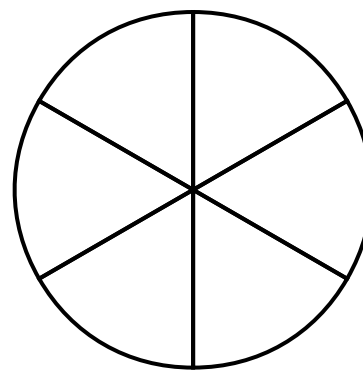
- (A) 19 square feet
- (B) 38 square feet
- (C) 90 square feet
- (D) 109 square feet

17. Select the **two** shapes that have parts that are each  $\frac{1}{6}$  of the area of the whole shape.

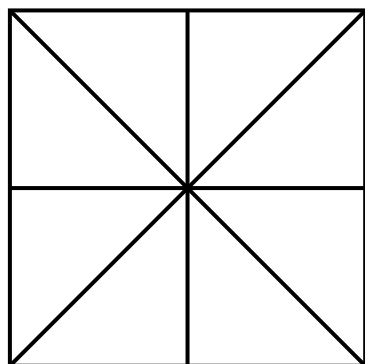
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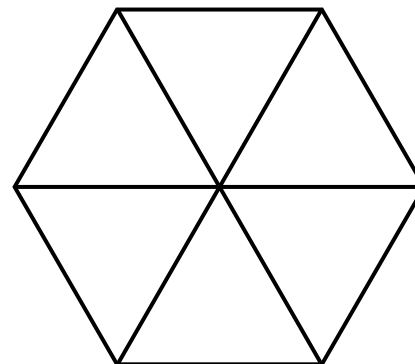
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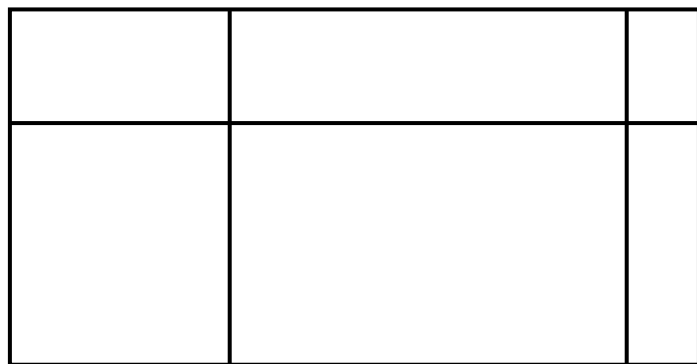
(C)



(D)



(E)

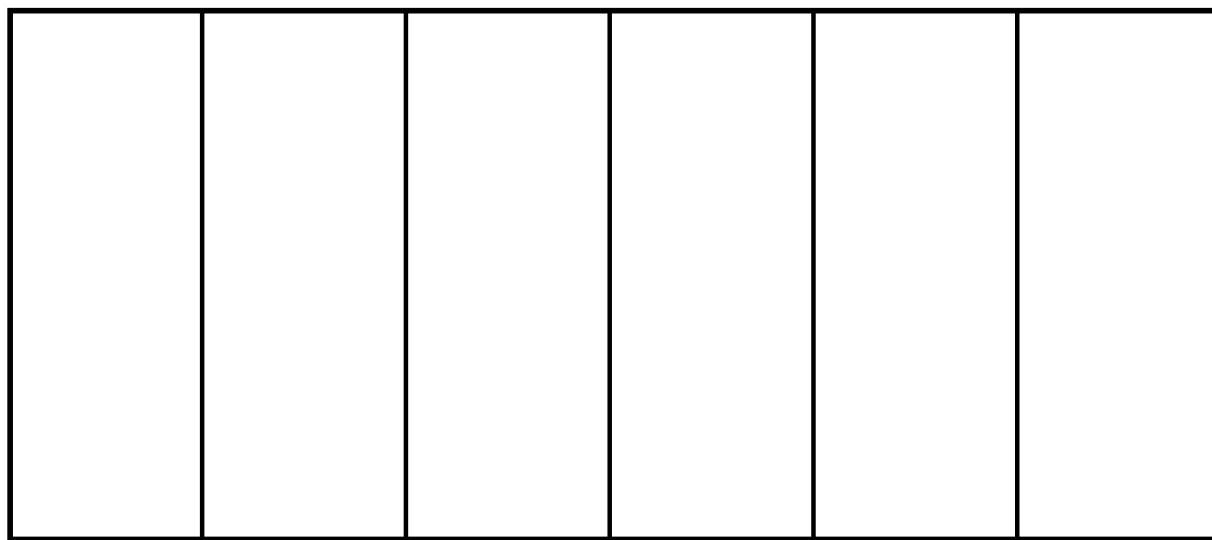




Use the information provided to answer Part A and Part B for question 20.

An artist plans to paint a wall in a room. The wall is divided into 6 equal parts so that each part can be painted a different color.

Artist's Wall



**20. Part A**

The artist goes to the store to buy brushes and small cans of paint. He pays a total of \$94.

- He buys 8 brushes that cost \$5 each.
- The rest of the money is used for the 6 cans of paint. Each can of paint costs the same amount.

How much does each can of paint cost? Show your work or explain your answer.

Enter your answer and your work or explanation in the space provided.

**Part B**

The artist starts painting the wall. The parts of the wall that look white are not painted yet.

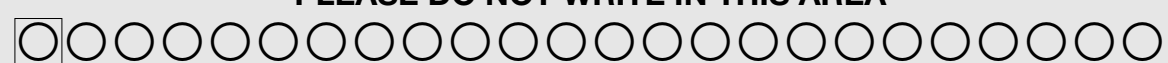


Which statements about the wall are correct?

Select the **two** correct statements.

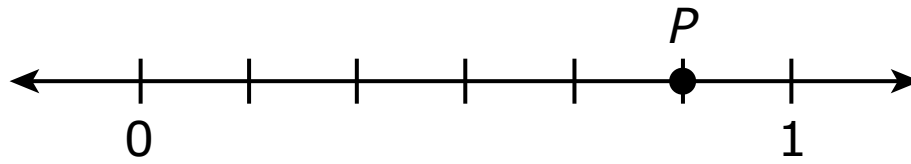
- Ⓐ Each painted part is  $\frac{1}{4}$  of the whole wall.
- Ⓑ Each painted part is  $\frac{1}{6}$  of the whole wall.
- Ⓒ Each painted part is  $\frac{4}{4}$  of the whole wall.
- Ⓓ The fraction of the wall not yet painted is  $\frac{1}{6}$ .
- Ⓔ The fraction of the wall not yet painted is  $\frac{2}{4}$ .
- Ⓕ The fraction of the wall not yet painted is  $\frac{2}{6}$ .

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21. Mia placed point  $P$  on the number line.



- Give the value of the number  $P$  as a fraction.
- What does the denominator of your fraction represent on the number line?
- What does the numerator of your fraction represent on the number line?

Enter your answer and your explanation in the space provided.







# Unit 3

**Directions:**

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Read each question. Then, follow the directions to answer each question. Circle the answer or answers you have chosen in your test booklet. If you need to change an answer, be sure to erase your first answer completely. If a question asks you to show or explain your work, you must do so to receive full credit. Only responses written within the provided space will be scored.

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22. Which **three** comparisons are true?

(A)  $\frac{1}{3} = \frac{3}{6}$

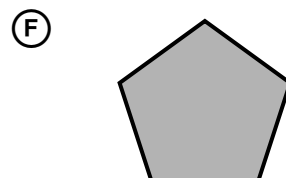
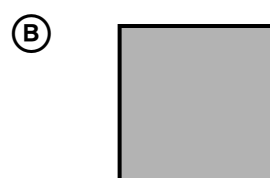
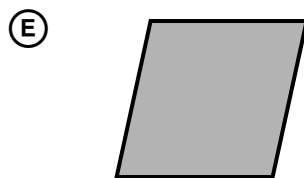
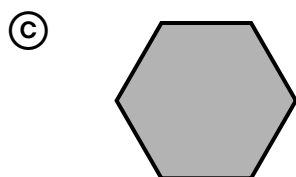
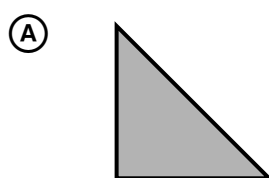
(B)  $\frac{3}{4} = \frac{6}{8}$

(C)  $\frac{4}{8} = \frac{1}{2}$

(D)  $\frac{1}{4} = \frac{4}{8}$

(E)  $\frac{4}{6} = \frac{2}{3}$

23. Which **three** shapes are quadrilaterals?





25. Lavina wants to place a fence around a rectangular play area for her rabbits. The play area will be 7 feet long and 4 feet wide.

What is the total length of fence, in feet, Lavina needs to place around the play area?

Enter your answer in the box.

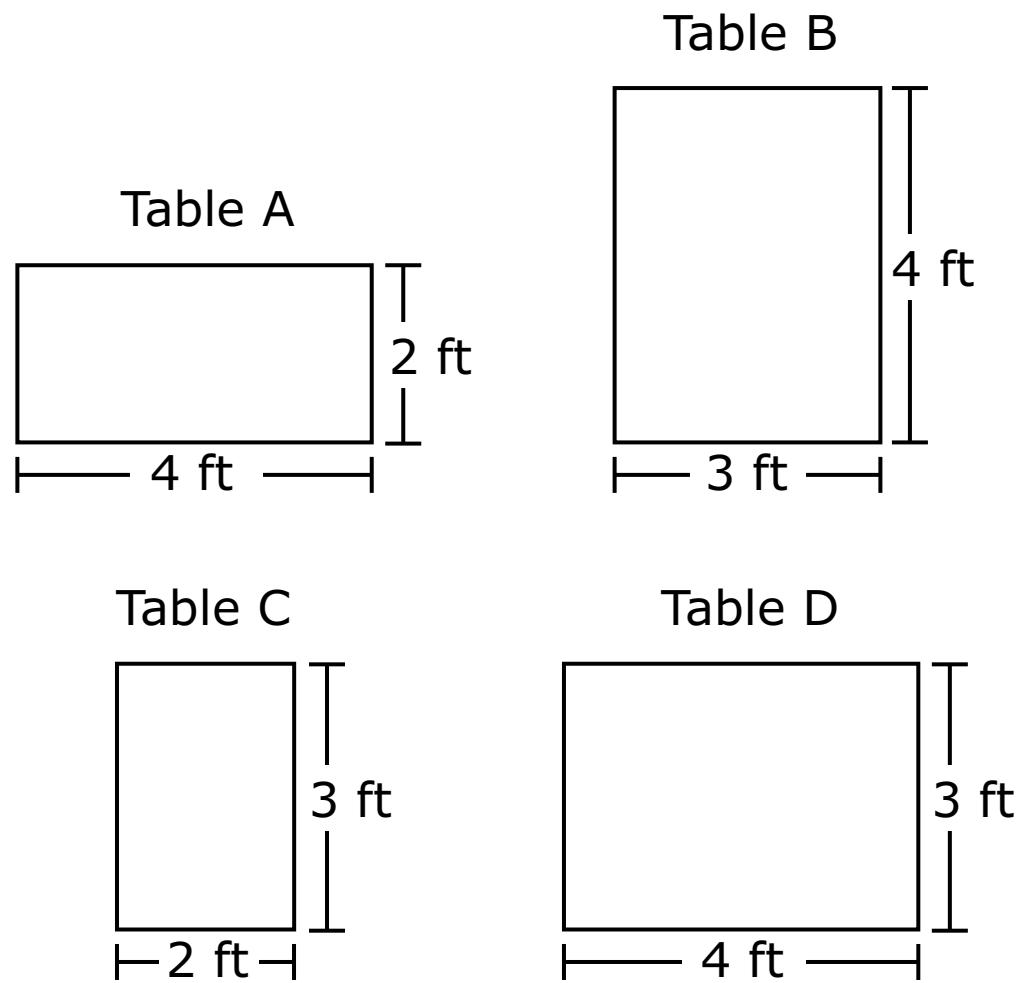
○	○	○	○	○	○



Mathematics

Use the information provided to answer Part A and Part B for question 27.

Tori and Leo set up their clubhouse with four tables. These rectangles represent the tabletops.



27. Part A

Identify **two** tabletops with the same area, in square feet, and explain how you know that the areas are equal.

Enter your answers and your explanation in the space provided.

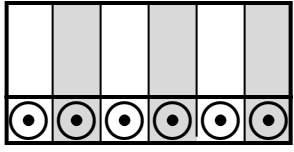




28. Jane bought 24 light bulbs. The light bulbs come in packs of 4.

How many packs of light bulbs did Jane buy?

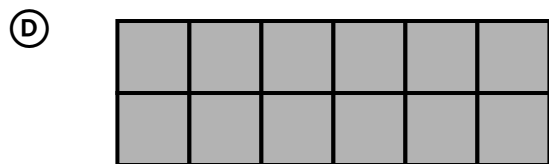
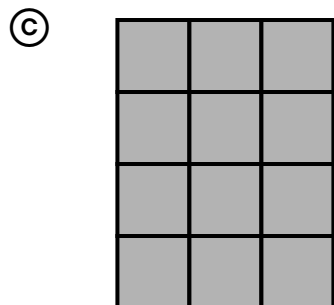
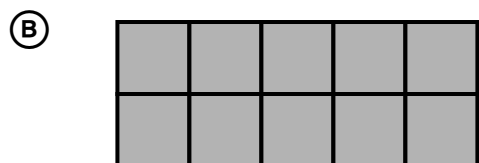
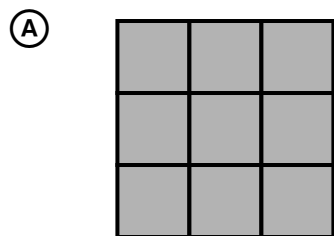
Enter your answer in the box.



29. Which **three** figures each have an area of 12 square inches?

Select the **three** correct answers.

 = one square inch



Unit 3

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SERIAL #

**Mathematics**

Use the information provided to answer Part A and Part B for question 30.

The owners of a new toy store have 888 puzzles to sell.

- They sell 237 puzzles the first month.
- They sell 461 puzzles the second month.

**30. Part A**

Which of these shows the three given numbers, each rounded to the nearest 10?

- Ⓐ 880, 230, 470
- Ⓑ 880, 230, 460
- Ⓒ 890, 240, 470
- Ⓓ 890, 240, 460

**Part B**

Use the rounded numbers to find about how many puzzles the owners have left to sell.

Enter your answer in the box.

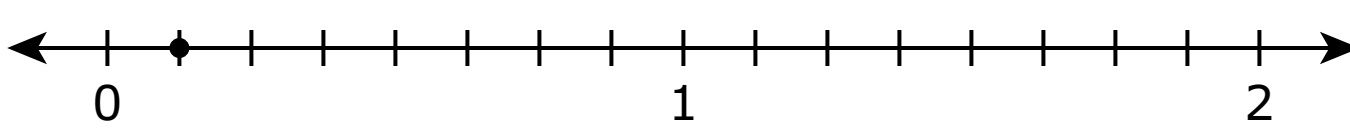
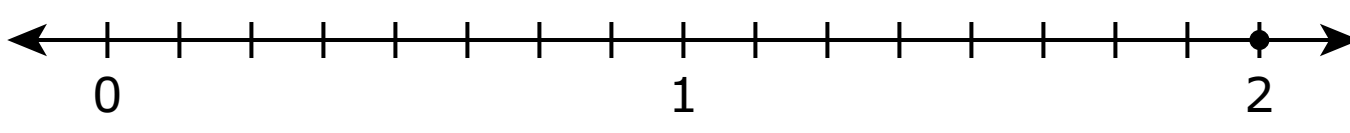
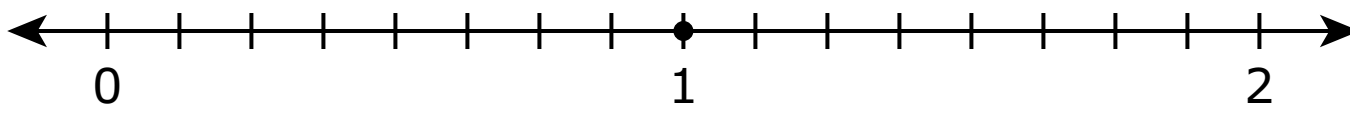
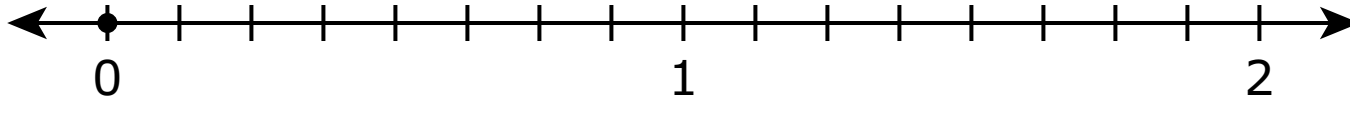
○	○	○	○	○	○

31. Which equations are true?

Select the **three** correct answers.

- Ⓐ  $7 \div 7 = 0$
- Ⓑ  $3 \times 4 = 12$
- Ⓒ  $10 \div 5 = 5$
- Ⓓ  $16 \div 2 = 8$
- Ⓔ  $0 \times 6 = 0$

32. Which number line shows a point at  $\frac{8}{8}$ ?

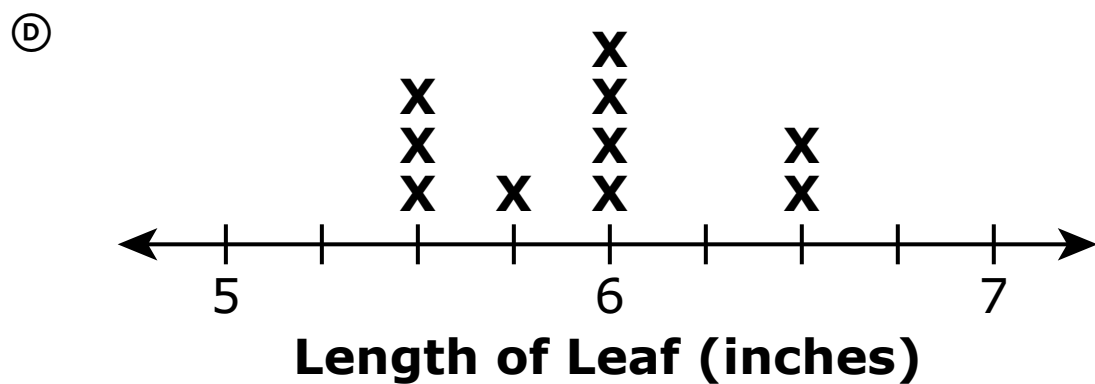
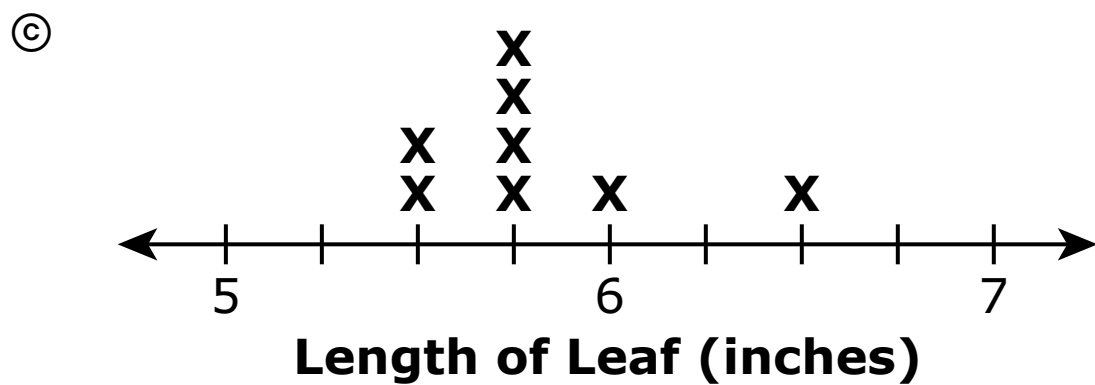
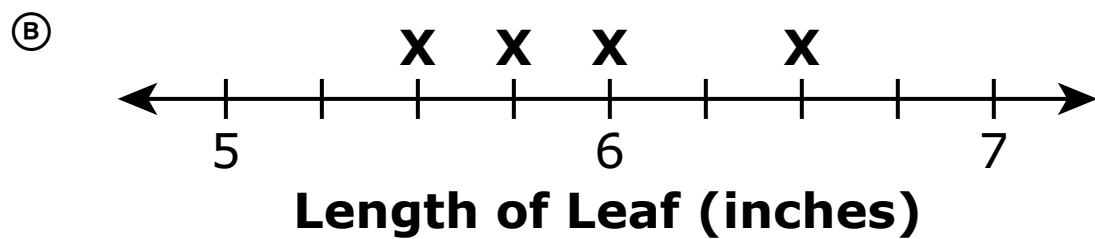
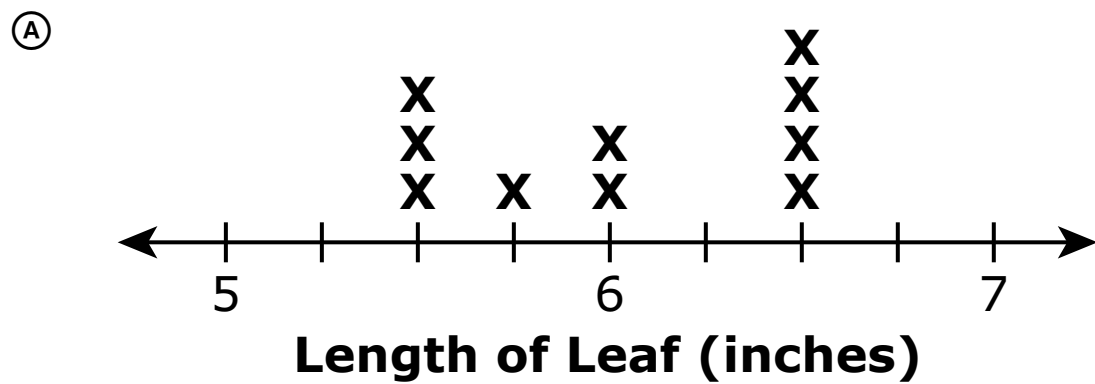
- Ⓐ 
- Ⓑ 
- Ⓒ 
- Ⓓ 

33. Eric measures 10 leaves with a ruler. He records the lengths as shown.

Lengths of Leaves (inches)

$$5\frac{1}{2}, 6\frac{1}{2}, 6\frac{1}{2}, 6, 5\frac{3}{4}, 5\frac{1}{2}, 6, 6, 5\frac{1}{2}, 6$$

Which line plot shows the lengths of the leaves recorded correctly?







Grade 3  
Mathematics  
**Test Booklet**

*Practice Test  
Large Print*

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