School-Home Chapter Letter

Dear Family,

During the next few weeks, our math class will be learning about perimeter and area of shapes.

You can expect to see homework that provides practice with measuring and finding perimeter, and finding area by counting squares, using addition, or using multiplication.

Here is a sample of how your child will be taught to find perimeter.

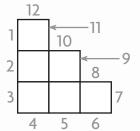
MODEL Find Perimeter

These are two ways to find perimeter.

Count units.

Use addition.

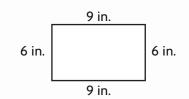
Find the perimeter of the shape by counting each unit around the shape.



Perimeter is the distance around a shape.

So, the perimeter is 12 units.

Find the perimeter of the rectangle.



Perimeter = length +width + length + width

Add: 9 + 6 + 9 + 6 = 30 inches

So, the perimeter is 30 inches.

Finding Unknown Side Lengths

Vocabulary

shape

measure area

area The measure of unit squares needed to cover a flat surface

perimeter The distance around a

unit square A square with a side

length of 1 unit that is used to

Sometimes not all lengths of the sides of a shape are given. If you know the perimeter, you can add the lengths of the sides you know and use an equation to find the unknown side length.

Activity

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Have your child practice finding the perimeter and area of items around the house. Find and measure the sides of items that have plane shapes, such as an envelope, a place mat, a square potholder, a pennant, or a rug.

ectica para la casa

Querida familia,

Capítulo

Durante las próximas semanas, en la clase de matemáticas aprenderemos acerca del perímetro y el área de las figuras.

Llevaré a la casa tareas que sirven para practicar cómo medir y hallar el perímetro, además de hallar el área contando cuadrados usando la suma o la multiplicación.

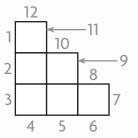
Este es un ejemplo de la manera como aprenderemos a hallar el perímetro.

MODELO Hallar el perímetro

Estas son dos maneras de hallar el perímetro.

Contar unidades.

Halla el perímetro de la figura contando cada unidad alrededor de la figura.

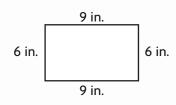


El perímetro es la distancia alrededor de una figura.

Por tanto, el perímetro es 12 unidades.

Usar la suma.

Halla el perímetro del rectángulo.



Perímetro = largo + ancho + largo + ancho

Sumo: 9 + 6 + 9 + 6 = 30 pulgadas

Por tanto, el perímetro es 30 pulgadas.

Vocabulario

área La medida del número de los cuadrados de una unidad que se necesitan para cubrir una superficie plana

perímetro La distancia alrededor de una figura

cuadrado de una unidad Un cuadrado cuyo lado mide 1 unidad y que se usa para medir un área

unidad cuadrada Una unidad que mide el área como del pies cuadrado, metro cuadrado y así sucesivamente

Hallar longitudes desconocidas de los lados

Pistas

A veces no se dan las longitudes de los lados de una figura. Si conoces el perímetro, puedes sumar las longitudes de los lados que conoces y usar una ecuación para hallar la longitud desconocida del lado.

Actividad

Pida a su hijo que practique hallando el perímetro y el área de algunos objetos de la casa. Hallen y midan los lados de objetos que tengan formas planas, como un sobre, un individual para la mesa, un agarrador de ollas cuadrado, un banderín o un tapete. O Houghton Mifflin Harcourt Publishing Company

Name ____

Lesson 11.1

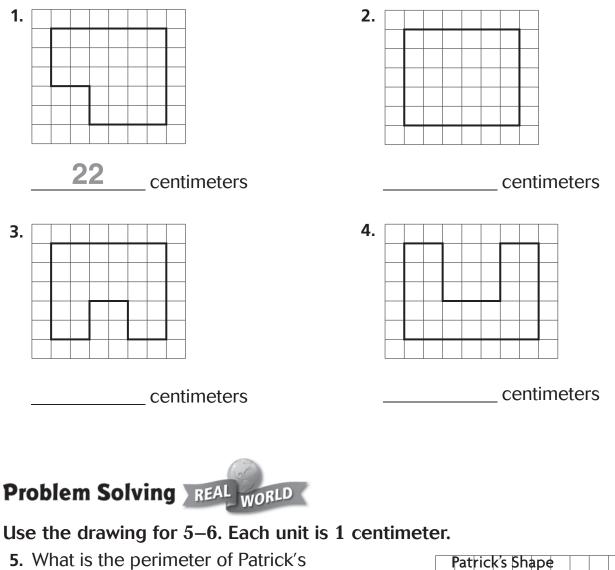
Model Perimeter



COMMON CORE STANDARD MACC.3.MD.4.8

Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.

Find the perimeter of the shape. Each unit is 1 centimeter.



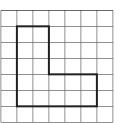
shape?

6. How much greater is the perimeter of Jillian's shape than the perimeter of Patrick's shape?

	Ji	llia	'ns	Sŀ	nap	e	



1. Find the perimeter of the shape. Each unit is 1 centimeter.



- (A) 14 centimeters
- (B) 16 centimeters
- $(\widehat{\mathbf{C}})$ 18 centimeters
- (D) 20 centimeters

2. Find the perimeter of the shape. Each unit is 1 centimeter.

- (A) 19 centimeters
- (B) 26 centimeters
- (C) 33 centimeters
- (**D**) 55 centimeters

Spiral Review (MACC.3.NF.1.3d, MACC.3.MD.1.1, MACC.3.MD.1.2)

- **3.** Which lists the fractions in order from least to greatest? (Lesson 9.5)
 - $\frac{2}{4'} \frac{2}{3'} \frac{2}{6}$
 - (A) $\frac{2}{3'} \frac{2}{4'} \frac{2}{6}$
 - **B** $\frac{2}{6'} \frac{2}{4'} \frac{2}{3}$
 - $\bigcirc \frac{2}{4'} \frac{2}{3'} \frac{2}{6}$
 - **D** $\frac{2}{3'} \frac{2}{6'} \frac{2}{4}$
- 5. Michael and Dex are comparing fraction strips. Which statement is NOT correct? (Lesson 9.2)

(A) $\frac{1}{2} < \frac{2}{2}$	$\bigcirc \frac{4}{8} < \frac{3}{8}$
B $\frac{2}{3} > \frac{1}{3}$	(D) $\frac{4}{6} > \frac{2}{6}$

4. Kasey's school starts at the time shown on the clock. What time does Kasey's school start? (Lesson 10.1)



- **(B)** 8:06 **(D)** 9:30
- 6. Aiden wants to find the mass of a bowling ball. Which unit should he USE? (Lesson 10.8)

(C) gram (A) liter



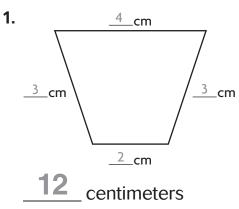
COMMON CORE STANDARD MACC.3.MD.4.8 Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between

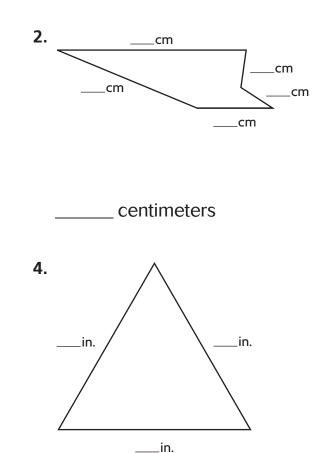
linear and area measures.



Find Perimeter







3.____in.





Draw a picture to solve 5–6.

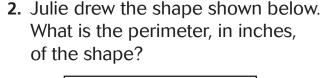
inches

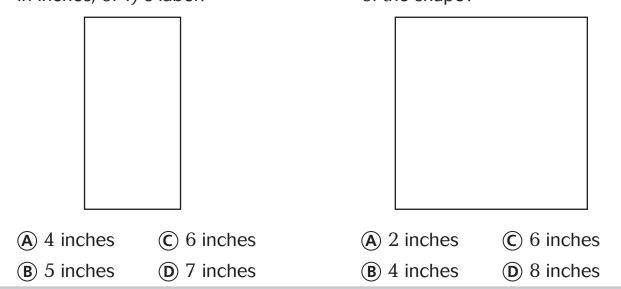
- 5. Evan has a square sticker that measures 5 inches on each side. What is the perimeter of the sticker?
- 6. Sophie draws a shape that has6 sides. Each side is 3 centimeters.What is the perimeter of the shape?



Use an inch ruler for 1-2.

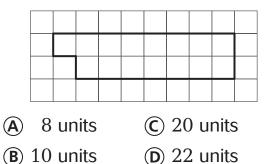
1. Ty cut a label the size of the shape shown. What is the perimeter, in inches, of Ty's label?





Spiral Review (MACC.3.NF.1.3d, MACC.3.MD.1.1, MACC.3.MD.1.2, MACC.3.MD.4.8)

3. What is the perimeter of the shape below? (Lesson 11.1)

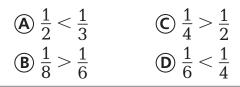


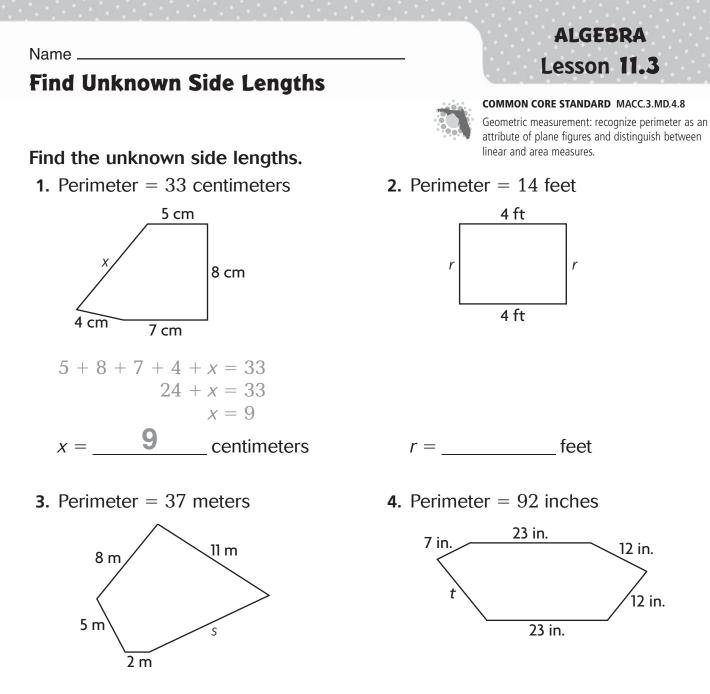
- 5. Matthew's small fish tank holds 12 liters. His large fish tank holds 25 liters. How many more liters does his large fish tank hold? (Lesson 10.9)
 - (A) 12 liters
 (B) 13 liters
 (C) 25 liters
 (D) 37 liters

- **4.** Vince arrives for his trumpet lesson after school at the time shown on the clock. What time does Vince arrive for his trumpet lesson? (Lesson 10.2)
 - **(A)** 3:26 A.M.
 - **B** 4:26 A.M.
 - С 3:26 р.м.
 - D 4:26 p.m.



6. Cecila and Sasha are comparing fraction strips. Which statement is correct? (Lesson 9.3)





_ meters s =

Problem Solving REAL WORLD



- 5. Steven has a rectangular rug with a perimeter of 16 feet. The width of the rug is 5 feet. What is the length of the rug?
- 6. Kerstin has a square tile. The perimeter of the tile is 32 inches. What is the length of each side of the tile?

t = inches

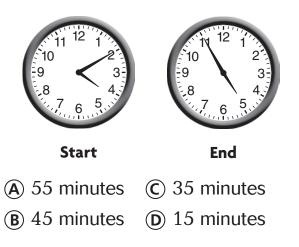


- Jesse is putting a ribbon around a square frame. He uses 24 inches of ribbon. How long is each side of the frame?
 - A 4 inches
 - **B** 5 inches
 - $\bigcirc 6$ inches
 - **D** 8 inches

- Davia draws a shape with 5 sides. Two sides are each 5 inches long. Two other sides are each 4 inches long. The perimeter of the shape is 27 inches. What is the length of the fifth side?
 - (A) 9 inches (C) 14 inches
 - (B) 13 inches (D) 18 inches

Spiral Review (MACC.3.OA.1.1, MACC.3.OA.4.8, MACC.3.NF.1.3c, MACC.3.MD.1.1)

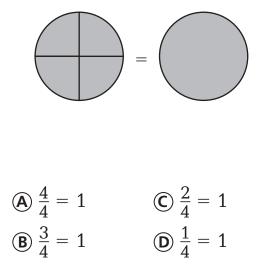
- **3.** Which of the following represents 7 + 7 + 7 + 7? (Lesson 3.2)
 - (A) 4×4
 - $\textcircled{B}4 \times 7$
 - € 6 × 7
 - **D** 7 × 7
- 5. Randy looked at his watch when he started and finished reading. How long did Randy read? (Lesson 10.3)



Bob bought 3 packs of model cars. He gave 4 cars to Ann. Bob has 11 cars left. How many model cars were in each pack? (Lesson 7.10)

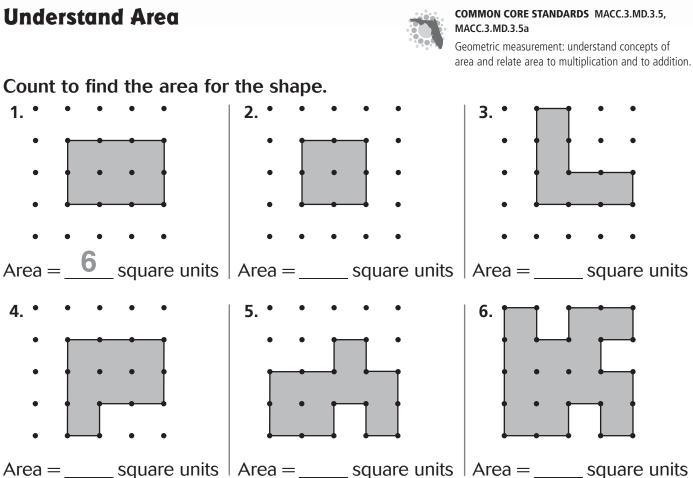
(A) 18	(C) 7
B 11	D 5

6. Which statement does the model represent? (Lesson 8.6)



Name _

Understand Area



Write area or perimeter for each situation.

7. carpeting a floor

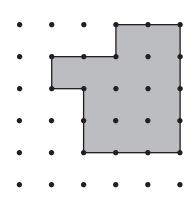
8. fencing a garden



Problem Solving REAL WORLD

Use the diagram for 9–10.

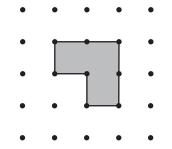
- 9. Roberto is building a platform for his model railroad. What is the area of the platform?
- 10. Roberto will put a border around the edges of the platform. How much border will he need?





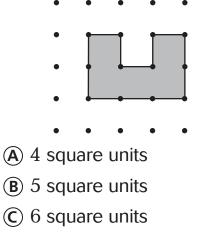
Lesson Check (MACC.3.MD.3.5, MACC.3.MD.3.5a)

 Josh used rubber bands to make the shape below on his geoboard. What is the area of the shape?



- (A) 3 square units
- **B** 4 square units
- © 5 square units
- **D** 6 square units

2. Wilma drew the shape below on dot paper. What is the area of the shape she drew?



D 7 square units

Spiral Review (MACC.3.0A.3.7, MACC.3.NF.1.1, MACC.3.MD.1.1, MACC.3.MD.1.2)

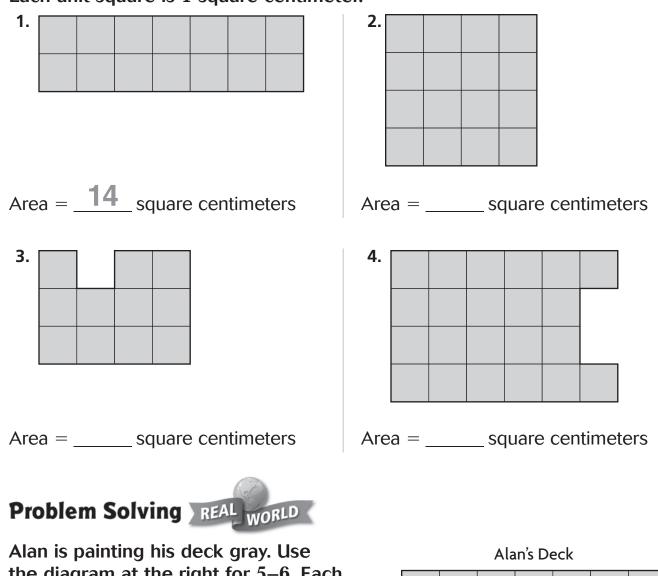
- 3. Leonardo knows it is 42 days until summer break. How many weeks is it until Leonardo's summer break? (Hint: There are 7 days in a week.) (Lesson 7.7)
 - (A) 5 weeks (C) 7 weeks
 - (\mathbf{B}) 6 weeks (\mathbf{C})
- (D) 8 weeks
- 5. Wanda is eating breakfast. Which is a reasonable time for Wanda to be eating breakfast? (Lesson 10.2)
 - A 7:45 A.M.
 - **В** 7:45 р.м.
 - 🛈 2:15 а.м.
 - **D** 2:15 р.м.

- 4. Nan cut a submarine sandwich into 4 equal parts and ate one part. What fraction represents the part of the sandwich Nan ate? (Lesson 8.3)
 - (A) $\frac{1}{4}$ (C) $\frac{4}{4}$ (B) $\frac{1}{3}$ (D) $\frac{4}{1}$
- Dick has 2 bags of dog food. Each bag contains 5 kilograms of food. How many kilograms of food does Dick have in all? (Lesson 10.8)
 - (A) 3 kilograms
 (C) 7 kilograms
 (B) 5 kilograms
 (D) 10 kilograms

Name _____

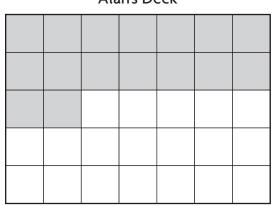
Measure Area

Count to find the area of the shape. Each unit square is 1 square centimeter.



the diagram at the right for 5–6. Each unit square is 1 square meter.

- **5.** What is the area of the deck that Alan has already painted gray?
- 6. What is the area of the deck that Alan has left to paint?





COMMON CORE STANDARDS MACC.3.MD.3.5b, MACC.3.MD.3.6

Geometric measurement: understand concepts of area and relate area to multiplication and to addition.



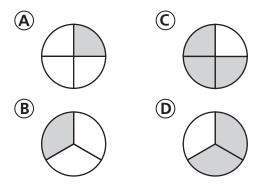
Lesson Check (MACC.3.MD.3.5b, MACC.3.MD.3.6)

Each unit square in the diagram is 1 square foot.

- 1. How many square feet are shaded?
 - (A) 19 square feet
 - (B) 21 square feet
 - © 23 square feet
 - D 25 square feet
- 2. What is the area that has NOT been shaded?
 - (A) 19 square feet
 - (B) 21 square feet
 - © 23 square feet
 - **D** 25 square feet

Spiral Review (MACC.3.OA.1.3, MACC.3.NF.1.1, MACC.3.NF.1.3b, MACC.3.MD.1.2)

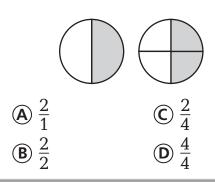
- 3. Sonya buys 6 packages of rolls. There are 6 rolls in each package. How many rolls does Sonya buy? (Lesson 4.3)
 - (A) 42 (C) 24
 - **B** 36 **D** 12
- 5. Which drawing shows $\frac{2}{3}$ of the circle shaded? (Lesson 8.4)



4. Charlie mixed 6 liters of juice with 2 liters of soda to make fruit punch. How many liters of fruit punch did Charlie make? (Lesson 10.9)

A 3 liters	C	8 liters
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- (B) 4 liters (D) 12 liters
- 6. Use the models to name a fraction that is equivalent to $\frac{1}{2}$. (Lesson 9.7)

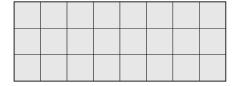


Name ____

Use Area Models

Find the area of each shape. Each unit square is 1 square foot.

1.

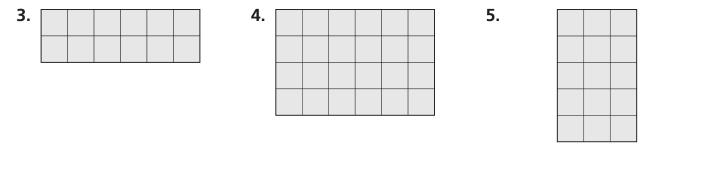


There are 3 rows of 8 unit squares. $3 \times 8 = 24$

24 square feet

Find the area of each shape.

Each unit square is 1 square meter.



Problem Solving REAL WORLD

6. Landon made a rug for the hallway. Each unit square is 1 square foot. What is the area of the rug?

7. Eva makes a border at the top of a picture frame. Each unit square is 1 square inch. What is the area of the border?



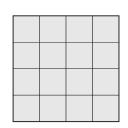
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2.

COMMON CORE STANDARDS MACC.3.MD.3.7, MACC.3.MD.3.7a

Geometric measurement: understand concepts of area and relate area to multiplication and to addition.





Lesson Check (MACC.3.MD.3.7, MACC.3.MD.3.7a)

- **1.** The entrance to an office has a tiled floor. Each square tile is 1 square meter. What is the area of the floor?
- **2.** Ms. Burns buys a new rug. Each unit square is 1 square foot. What is the area of the rug?



- (A) 8 square meters
- **B** 9 square meters
- © 10 square meters
- **D** 12 square meters

 $(A) \frac{3}{8} > \frac{5}{8}$

 $\textcircled{B} \frac{3}{4} < \frac{1}{4}$

 $\bigcirc \frac{3}{6} > \frac{4}{6}$

(D) $\frac{1}{3} < \frac{2}{3}$

- (A) 5 square feet
- **B** 7 square feet
- © 10 square feet
- (D) 12 square feet

Spiral Review (MACC.3.OA.1.4, MACC.3.NF.1.3d, MACC.3.MD.1.1, MACC.3.MD.4.8)

- **3.** Ann and Bill are comparing fraction strips. Which statement is correct?
- Claire bought 6 packs of baseball cards. Each pack had the same number of cards. If Claire bought 48 baseball cards in all, how many cards were in each pack? (Lesson 7.8)

A 54	(C) 8
B 42	D 6

- 5. Austin left for school at 7:35 A.M.. He arrived at school 15 minutes later. What time did Austin arrive at school? (Lesson 10.4)
 - (A) 7:40 A.M. (C) 7:55 A.M.
 - **B** 7:50 A.M. **D** 8:00 A.M.
- 6. Wyatt's room is a rectangle with a perimeter of 40 feet. The width of the room is 8 feet. What is the length of the room? (Lesson 11.3)
 - (A) 5 feet (C) 16 feet
 - **(B)** 12 feet **(D)** 32 feet

Problem Solving • Area of Rectangles



COMMON CORE STANDARD MACC.3.MD.3.7b

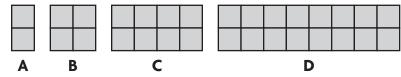
Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

PROBLEM SOLVING

Lesson 11.7

Use the information for 1-3.

An artist makes rectangular murals in different sizes. Below are the available sizes. Each unit square is 1 square meter.



1. Complete the table to find the area of each mural.

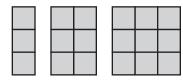
Mural	Length (in meters)	Width (in meters)	Area (in square meters)
Α	2	1	2
В	2	2	4
С	2		
D	2		

- **2.** Find and describe a pattern of how the length changes and how the width changes for murals A through D.
- **3.** How do the areas of the murals change when the width changes?

4. Dan built a deck that is 5 feet long and 5 feet wide. He built another deck that is 5 feet long and 7 feet wide. He built a third deck that is 5 feet long and 9 feet wide. How do the areas change?



1. Lauren drew the designs below. Each unit square is 1 square centimeter. If the pattern continues, what will be the area of the fourth shape?



- (A) 10 square centimeters
- (B) 12 square centimeters
- (\mathbf{C}) 14 square centimeters
- (\mathbf{D}) 16 square centimeters

- 2. Henry built one garden that is 3 feet wide and 3 feet long. He also built a garden that is 3 feet wide and 6 feet long, and a garden that is 3 feet wide and 9 feet long. How do the areas change?
 - (A) The areas do not change.
 - (B) The areas double.
 - (C) The areas increase by 3 square feet.
 - (**D**) The areas increase by 9 square feet.

(A) 3

B 4

floor? (Lesson 11.6)

(A) 15 square feet

(B) 52 square feet

 $(\widehat{\mathbf{C}})$ 54 square feet

(**D**) 57 square feet

Spiral Review (MACC.3.OA.1.3, MACC.3.NBT.1.3, MACC.3.NF.1.1, MACC.3.MD.3.5b, MACC.3.MD.3.6)

- **3.** Joe, Jim, and Jack share 27 football cards equally. How many cards does each boy get? (Lesson 7.4)
- **4.** Nita uses $\frac{1}{3}$ of a carton of 12 eggs. How many eggs does she use? (Lesson 8.7)

 (\mathbf{C}) 6

D 9

6. Neal is tiling his kitchen floor. Each

- 7 (\mathbf{A})
- **B** 8
- **(C)** 9
- **(D)** 10
- 5. Brenda made 8 necklaces. Each necklace has 10 large beads. How many large beads did Brenda use to make the necklaces? (Lesson 5.4)
 - (\mathbf{A}) 80
 - 85 **(B**)
 - \bigcirc 90
 - **(D)** 100

square tile is 1 square foot. Neal uses 6 rows of tiles with 9 tiles in each row. What is the area of the

COMMON CORE STANDARDS MACC.3.MD.3.7c,

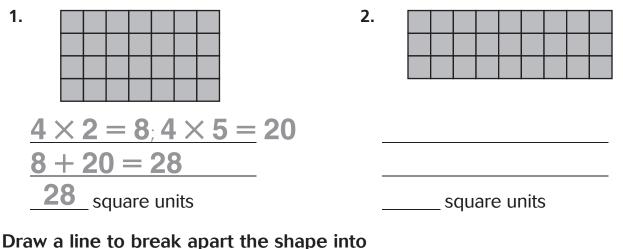
Geometric measurement: understand concepts of area and relate area to multiplication and to addition.

MACC.3.MD.3.7d

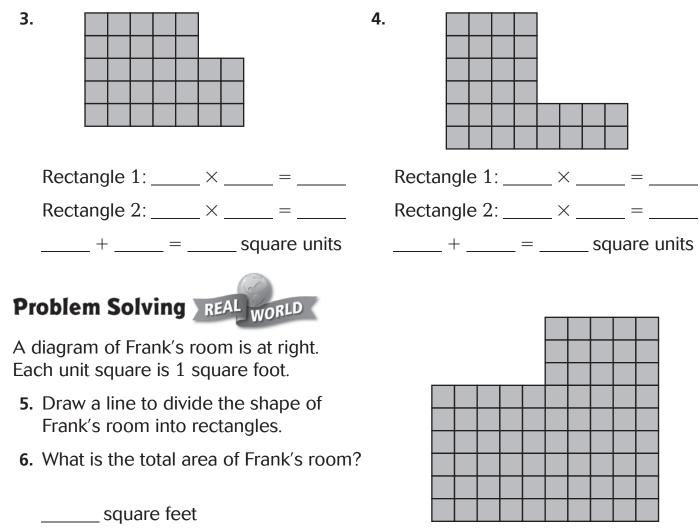
Area of Combined Rectangles

Name ____

Use the Distributive Property to find the area. Show your multiplication and addition equations.



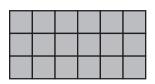
rectangles. Find the area of the shape.





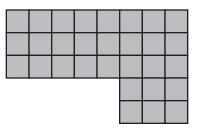
Lesson Check (MACC.3.MD.3.7c, MACC.3.MD.3.7d)

 The diagram shows Ben's backyard. Each unit square is 1 square yard. What is the area of Ben's backyard?



- (A) 12 square yards
- **B** 16 square yards
- © 18 square yards
- **D** 24 square yards

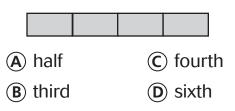
2. The diagram shows a room in an art gallery. Each unit square is 1 square meter. What is the area of the room?



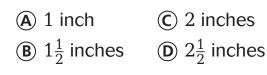
- (A) 24 square meters
- (B) 30 square meters
- \bigcirc 36 square meters
- D 40 square meters

Spiral Review (MACC.3.0A.2.6, MACC.3.NF.1.1, MACC.3.MD.2.4, MACC.3.MD.4.8)

- 3. Naomi needs to solve 28 ÷ 7 = ■.
 What related multiplication fact can she use to find the unknown number? (Lesson 6.7)
 - (A) $3 \times 7 = 21$
 - **B** $4 \times 7 = 28$
 - (C) $5 \times 7 = 35$
 - (**D**) $6 \times 7 = 42$
- 5. The rectangle is divided into equal parts. What is the name of the equal parts? (Lesson 8.1)



- 4. Karen drew a triangle with side lengths 3 centimeters, 4 centimeters, and 5 centimeters. What is the perimeter of the triangle? (Lesson 11.2)
 - (A) 7 centimeters
 - **B** 9 centimeters
 - © 11 centimeters
 - D 12 centimeters
- 6. Use an inch ruler. To the nearest half inch, how long is this line segment? (Lesson 10.6)



COMMON CORE STANDARD MACC.3.MD.4.8 Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between

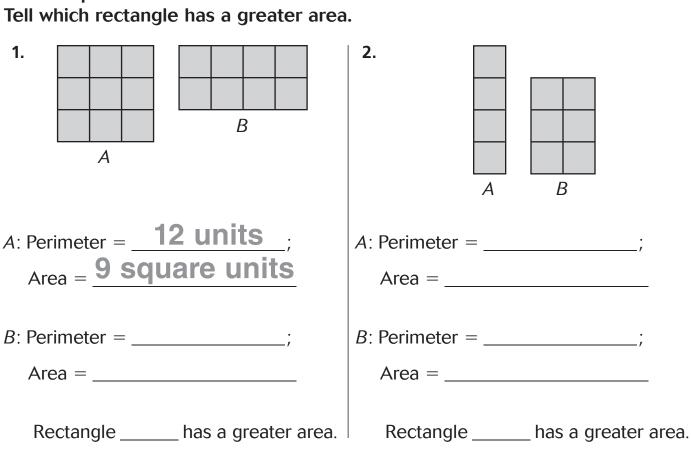
linear and area measures.

Name ___

1.

Same Perimeter, Different Areas

Find the perimeter and the area. Tell which rectangle has a greater area.



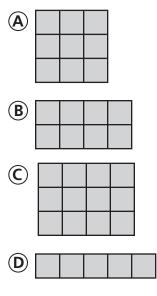




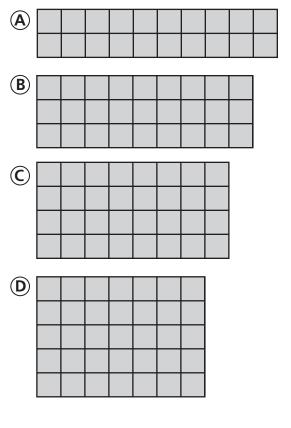
- 3. Tara's and Jody's bedrooms are shaped like rectangles. Tara's bedroom is 9 feet long and 8 feet wide. Jody's bedroom is 7 feet long and 10 feet wide. Whose bedroom has the greater area? Explain.
- **4.** Mr. Sanchez has 16 feet of fencing to put around a rectangular garden. He wants the garden to have the greatest possible area. How long should the sides of the garden be?



1. Which shape has a perimeter of 12 units and an area of 8 square units?



2. All four rectangles below have the same perimeter. Which rectangle has the greatest area?



Spiral Review (MACC.3.MD.3.7, MACC.3.MD.3.7a, MACC.3.MD.4.8)

- 3. Kerrie covers a table with 8 rows of square tiles. There are 7 tiles in each row. What is the area that Kerrie covers in square units? (Lesson 11.6)
 - (A) 15 square units
 - **B** 35 square units
 - © 42 square units
 - D 56 square units

- **4.** Von has a rectangular workroom with a perimeter of 26 feet. The length of the workroom is 6 feet. What is the width of Von's workroom? (Lesson 11.3)
 - (A) 7 feet
 - **B** 13 feet
 - (C) 20 feet
 - **D** 26 feet

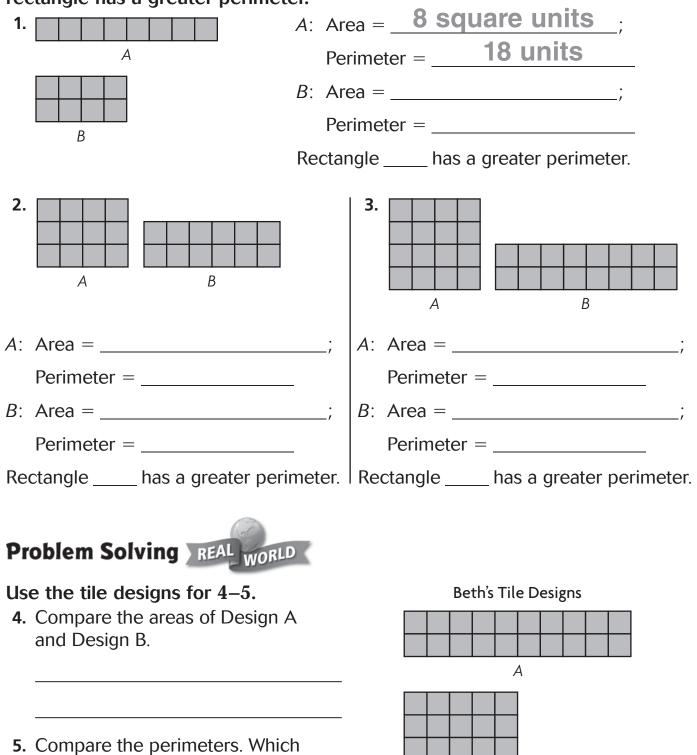
COMMON CORE STANDARD MACC.3.MD.4.8 Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between

linear and area measures.



Same Area, Different Perimeters

Find the perimeter and the area. Tell which rectangle has a greater perimeter.

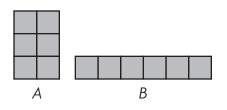


design has the greater perimeter?

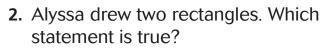
В

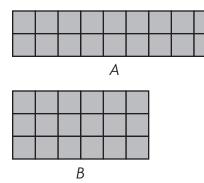


1. Jake drew two rectangles. Which statement is true?



- (A) The perimeters are the same.
- (\mathbf{B}) The area of A is greater.
- \bigcirc The perimeter of *A* is greater.
- **(D)** The perimeter of B is greater.





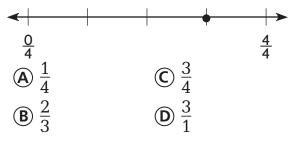
- (A) The perimeter of B is greater.
- (\mathbf{B}) The perimeter of A is greater.
- \bigcirc The area of *B* is greater.
- **(D)** The perimeters are the same.

Spiral Review (MACC.3.OA.4.8, MACC.3.NF.1.2a, MACC.3.NF.1.2b, MACC.3.NF.1.3d)

- 3. Marsha was asked to find the value of $8 3 \times 2$. She wrote a wrong answer. Which is the correct answer? (Lesson 7.11)
 - (A) 22
 (C) 4
 (B) 10
 (D) 2
- 5. Kyle drew three line segments with these lengths: $\frac{2}{4}$ inch, $\frac{2}{3}$ inch, and $\frac{2}{6}$ inch. Which list orders the fractions from least to greatest? (Lesson 9.5)

$\mathbf{A} \frac{2}{6}$	$\frac{2}{5}, \frac{2}{4}, \frac{2}{3}$	©	$\frac{2}{4}$	$\frac{2}{3}$	$\frac{2}{6}$
\mathbf{B}	$\frac{2}{3}, \frac{2}{4}, \frac{2}{6}$	D	$\frac{2}{6}$	$\frac{2}{3}$	$\frac{2}{4}$

4. What fraction names the point on the number line? (Lesson 8.5)



6. On Monday, $\frac{3}{8}$ inch of snow fell. On Tuesday, $\frac{5}{8}$ inch of snow fell. Which statement correctly compares the snow amounts? (Lesson 9.2)

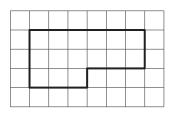


COMMON CORE STANDARDS MACC.3.MD.3.5, MACC.3.MD.3.5a, MACC.3.MD.3.5b, MACC.3.MD.3.6, MACC.3.MD.3.7a, MACC.3.MD.3.7b, MACC.3.MD.3.7c, MACC.3.MD.3.7d, MACC.3.MD.4.8 ALSO MACC.3.OA.1.3, MACC.3.OA.3.7, MACC.3.OA.4.9, MACC.3.NBT.1.2, MACC.3.MD.2.4

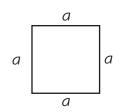
Chapter 11 Extra Practice

Lessons 11.1, 11.3

1. Find the perimeter of the shape. Each unit is 1 centimeter.

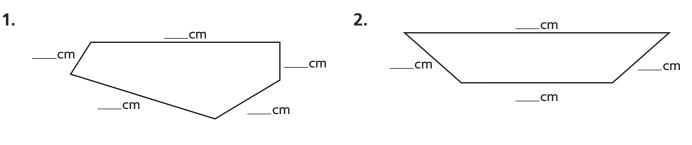


2. The square has a perimeter of 28 inches. What is the length of each side of the square?



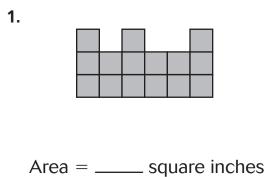
Lesson 11.2

Use a centimeter ruler to find the perimeter.



Lessons 11.4 - 11.6

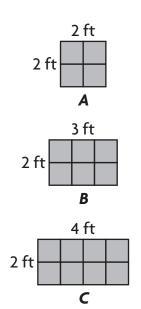
Find the area of the shape. Each unit square is 1 square inch.



2.

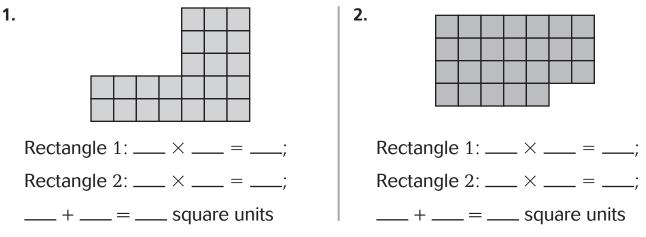
Use the rectangles at the right for 1–2.

- **1.** How do the length and width change from Rectangle *A* to Rectangle *B*?
- 2. How do the areas change from Rectangle *A* to Rectangle *B* to Rectangle *C*?



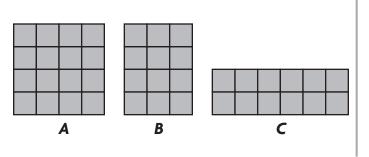
Lesson 11.8

Draw a line to break apart the shape into rectangles. Find the area of the shape.



Lessons 11.9 - 11.10

Find the perimeter and area of each rectangle. Use your results to answer questions 1–2.



1. Which two rectangles have the same perimeter?

Rectangles ____ and ____

2. Which two rectangles have the same area?

Rectangles ____ and ____