Name _____

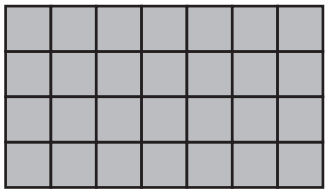
Area of Combined Rectangles

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

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

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

1.

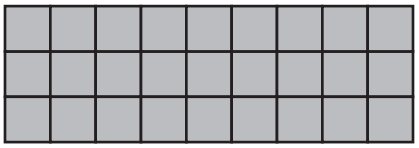


$4 \times 2 = 8; 4 \times 5 = 20$

$8 + 20 = 28$

28 square units

2.



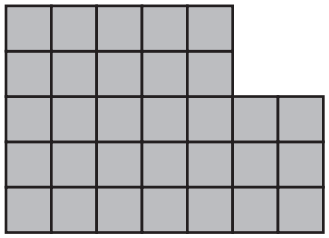
_____

_____

_____ square units

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

3.

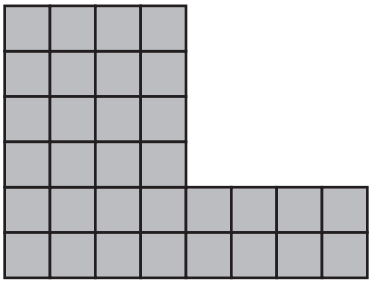


Rectangle 1: _____ × _____ = _____

Rectangle 2: _____ × _____ = _____

_____ + _____ = _____ square units

4.



Rectangle 1: _____ × _____ = _____

Rectangle 2: _____ × _____ = _____

_____ + _____ = _____ square units

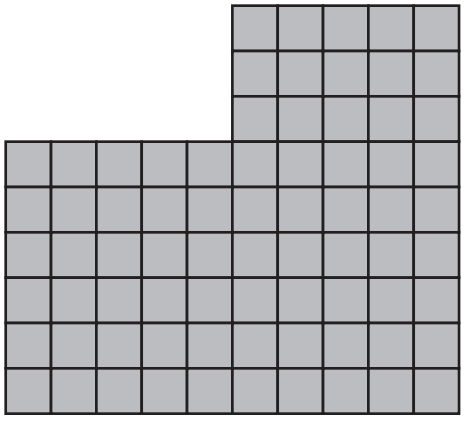
Problem Solving REAL WORLD

A diagram of Frank's room is at right. Each unit square is 1 square foot.

5. Draw a line to divide the shape of Frank's room into rectangles.

6. What is the total area of Frank's room?

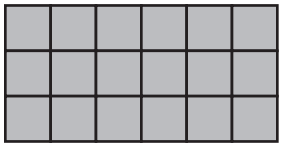
_____ square feet



PARCC TEST PREP

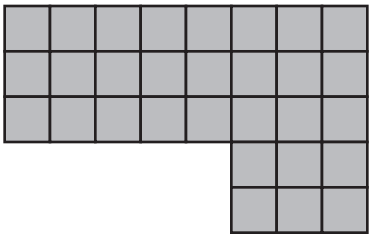
Lesson Check (MACC.3.MD.3.7c, MACC.3.MD.3.7d)

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



Ⓐ 12 square yards
Ⓑ 16 square yards
Ⓒ 18 square yards
Ⓓ 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?



Ⓐ 24 square meters
Ⓑ 30 square meters
Ⓒ 36 square meters
Ⓓ 40 square meters

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

3. Naomi needs to solve $28 \div 7 = \square$. What related multiplication fact can she use to find the unknown number? (Lesson 6.7)

Ⓐ $3 \times 7 = 21$
Ⓑ $4 \times 7 = 28$
Ⓒ $5 \times 7 = 35$
Ⓓ $6 \times 7 = 42$

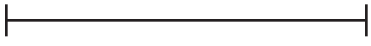
4. Karen drew a triangle with side lengths 3 centimeters, 4 centimeters, and 5 centimeters. What is the perimeter of the triangle? (Lesson 11.2)

Ⓐ 7 centimeters
Ⓑ 9 centimeters
Ⓒ 11 centimeters
Ⓓ 12 centimeters

5. The rectangle is divided into equal parts. What is the name of the equal parts? (Lesson 8.1)

Ⓐ half
Ⓑ third
Ⓒ fourth
Ⓓ sixth

6. Use an inch ruler. To the nearest half inch, how long is this line segment? (Lesson 10.6)



Ⓐ 1 inch
Ⓑ $1\frac{1}{2}$ inches
Ⓒ 2 inches
Ⓓ $2\frac{1}{2}$ inches