

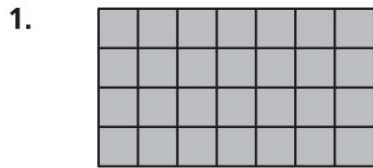
Name _____

Area of Combined Rectangles

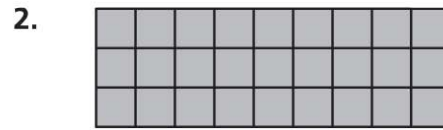
COMMON CORE STANDARDS CC.3.MD.7c, CC.3.MD.7d

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.

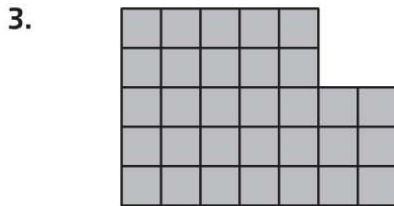


$$\begin{aligned} 4 \times 2 &= 8; 4 \times 5 = 20 \\ \hline 8 + 20 &= 28 \\ \hline 28 &\text{ square units} \end{aligned}$$

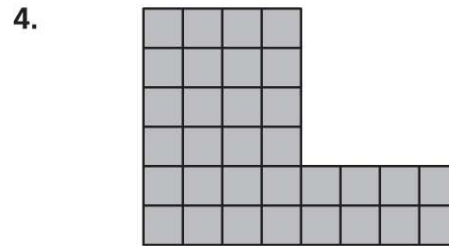


$$\begin{aligned} & \\ \hline & \\ \hline & \\ \hline & \text{ square units} \end{aligned}$$

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



$$\begin{aligned} \text{Rectangle 1: } & ___ \times ___ = ___ \\ \text{Rectangle 2: } & ___ \times ___ = ___ \\ ___ + ___ &= ___ \text{ square units} \end{aligned}$$



$$\begin{aligned} \text{Rectangle 1: } & ___ \times ___ = ___ \\ \text{Rectangle 2: } & ___ \times ___ = ___ \\ ___ + ___ &= ___ \text{ square units} \end{aligned}$$

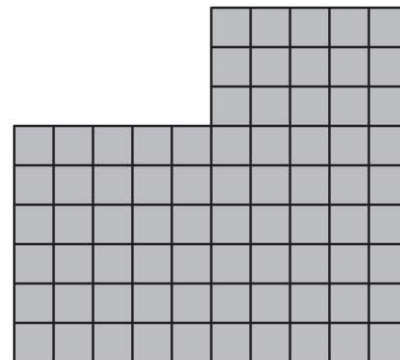
Problem Solving



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

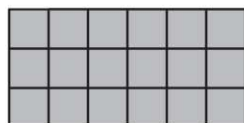
- Draw a line to divide the shape of Frank's room into rectangles.
- What is the total area of Frank's room?

_____ square feet

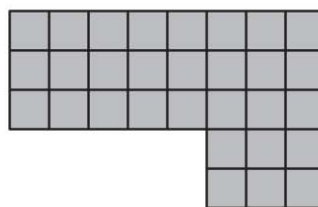


Lesson Check (CC.3.MD.7c, CC.3.MD.7d)

- The diagram shows Ben's backyard. Each unit square is 1 square yard. What is the area of Ben's backyard?
- The diagram shows a room in an art gallery. Each unit square is 1 square meter. What is the area of the room?



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



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

Spiral Review (CC.3.OA.6, CC.3.NF.1, CC.3.MD.4, CC.3.MD.8)

- Naomi needs to solve $28 \div 7 = \blacksquare$. What related multiplication fact can she use to find the unknown number? (Lesson 6.7)
- Karen drew a triangle with side lengths 3 centimeters, 4 centimeters, and 5 centimeters. What is the perimeter of the triangle? (Lesson 11.2)
- The rectangle is divided into equal parts. What is the name of the equal parts? (Lesson 8.1)
- Use an inch ruler. To the nearest half inch, how long is this line segment? (Lesson 10.6)

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

- (A) 7 centimeters
- (B) 9 centimeters
- (C) 11 centimeters
- (D) 12 centimeters

- (A) half
- (B) third
- (C) fourth
- (D) sixth

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