

Lesson 13.3

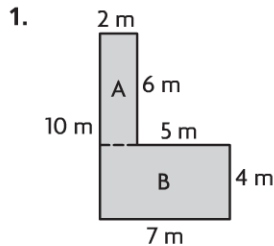
Name _____

Area of Combined Rectangles

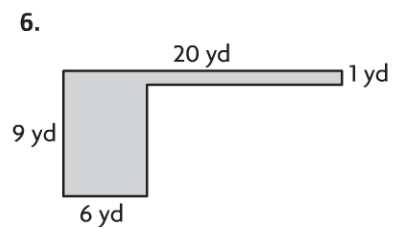
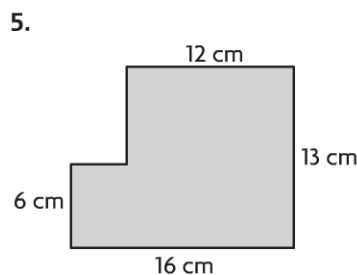
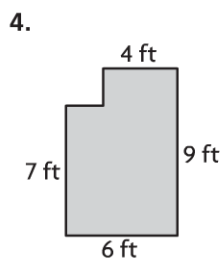
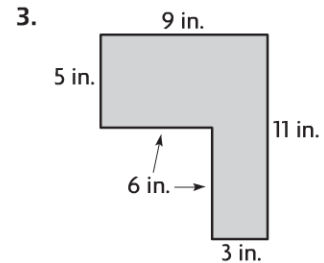
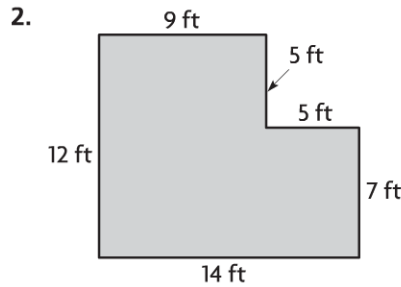
COMMON CORE STANDARD CC.4.MD.3

Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.

Find the area of the combined rectangles.



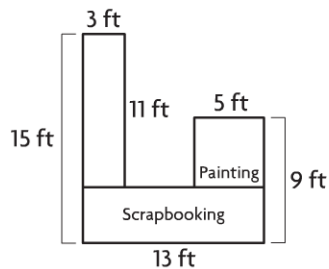
Area A = 2×6 ,
 Area B = 7×4
 $12 + 28 = 40$
 40 square meters



Problem Solving **REAL WORLD**

Use the diagram for 7–8.

Nadia makes the diagram below to represent the counter space she wants to build in her craft room.

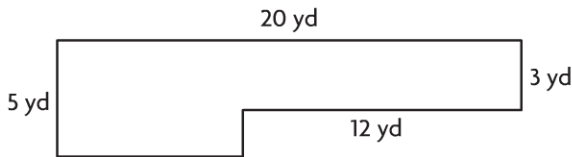


7. What is the area of the space that Nadia has shown for scrapbooking?

8. What is the area of the space she has shown for painting?

Lesson Check (CC.4.MD.3)

1. What is the area of the combined rectangles below?



- (A) 136 square yards
- (B) 100 square yards
- (C) 76 square yards
- (D) 64 square yards

2. Marquis is redecorating his bedroom. What could Marquis use the area formula to find?

- (A) how much space should be in a storage box
- (B) what length of wood is needed for a shelf
- (C) the amount of paint needed to cover a wall
- (D) how much water will fill up his new aquarium

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

3. Giraffes are the tallest land animals. A male giraffe can grow as tall as 6 yards. How tall would the giraffe be in feet?

(Lesson 12.2)

- (A) 2 feet
- (B) 6 feet
- (C) 12 feet
- (D) 18 feet

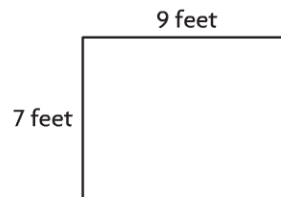
4. Drew purchased 3 books for \$24. The cost of each book was a multiple of 4. Which of the following could be the prices of the 3 books? (Lesson 5.4)

- (A) \$4, \$10, \$10
- (B) \$4, \$8, \$12
- (C) \$5, \$8, \$11
- (D) \$3, \$7, \$14

5. Esmeralda has a magnet in the shape of a square. Each side of the magnet is 3 inches long. What is the perimeter of her magnet? (Lesson 13.1)

- (A) 3 inches
- (B) 7 inches
- (C) 9 inches
- (D) 12 inches

6. What is the area of the rectangle below? (Lesson 13.2)



- (A) 63 square feet
- (B) 32 square feet
- (C) 18 square feet
- (D) 16 square feet