

Lesson 13.2

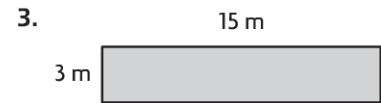
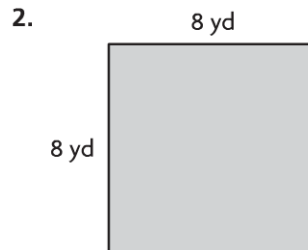
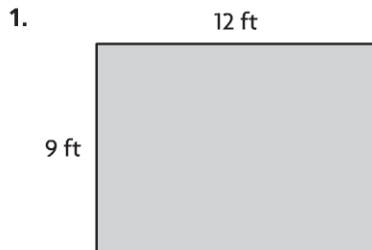
Name _____

Area

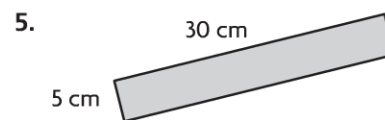
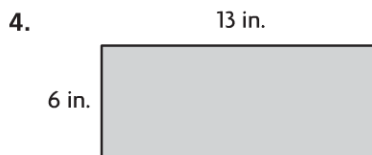
COMMON CORE STANDARD CC.4.MD.3

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

Find the area of the rectangle or square.



$$\begin{aligned} A &= b \times h \\ &= 12 \times 9 \\ &108 \text{ square feet} \end{aligned}$$



Problem Solving



7. Meghan is putting wallpaper on a wall that measures 8 feet by 12 feet. How much wallpaper does Meghan need to cover the wall?


8. Bryson is laying down sod in his yard to grow a new lawn. Each piece of sod is a 1-foot by 1-foot square. How many pieces of sod will Bryson need to cover his yard if his yard measures 30 feet by 14 feet?

Lesson Check (CC.4.MD.3)

- Ellie and Heather drew floor models of their living rooms. Ellie's model represented 20 feet by 15 feet. Heather's model represented 18 feet by 18 feet. Whose floor model represents the greater area? How much greater?
 - (A) Ellie; 138 square feet
 - (B) Heather; 24 square feet
 - (C) Ellie; 300 square feet
 - (D) Heather; 324 square feet
- Tyra is laying down square carpet pieces in her photography studio. Each square carpet piece is 1 yard by 1 yard. If Tyra's photography studio is 7 yards long and 4 yards wide, how many pieces of square carpet will Tyra need?
 - (A) 10
 - (B) 11
 - (C) 22
 - (D) 28

Spiral Review (CC.4.NBT.5, CC.4.NF.4c, CC.4.MD.3)

- Typically, blood fully circulates through the human body 8 times each minute. How many times does blood circulate through the body in 1 hour? (Lesson 3.1)
 - (A) 48
 - (B) 240
 - (C) 480
 - (D) 4,800
- Each of the 28 students in Romi's class raised at least \$25 during the jump-a-thon. What is the least amount of money the class raised? (Lesson 3.5)
 - (A) \$5,200
 - (B) \$700
 - (C) \$660
 - (D) \$196
- What is the perimeter of the shape below if 1 square is equal to 1 square foot? (Lesson 13.1)



 - (A) 12 feet
 - (B) 14 feet
 - (C) 24 feet
 - (D) 28 feet
- Ryan is making small meat loaves. Each small meat loaf uses $\frac{3}{4}$ pound of meat. How much meat does Ryan need to make 8 small meat loaves? (Lesson 8.4)
 - (A) 4 pounds
 - (B) 6 pounds
 - (C) 8 pounds
 - (D) $10\frac{2}{3}$ pounds