Name _____ Date Answer Key

Area of Trapezoids

You can find the area of a trapezoid with bases b_1 and b_2 and height h using this formula:

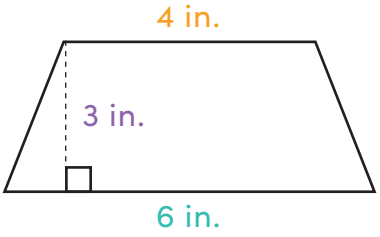
$$A = \frac{1}{2}(b_1 + b_2)h$$

Let's try it! Find the area of the trapezoid below.

$A = \frac{1}{2}(6 + 4)(3)$

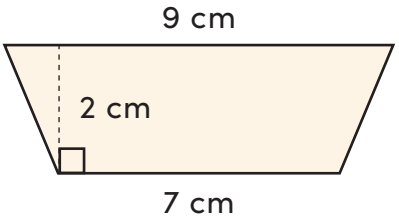
$A = \frac{1}{2}(10)(3)$

$A = 15 \text{ in.}^2$



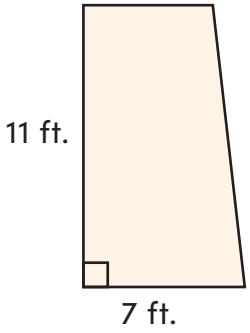
Find the area of each trapezoid.

1



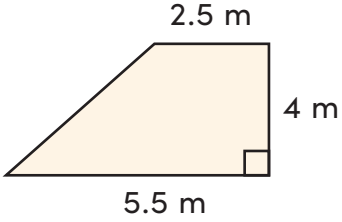
$A =$ 16 cm^2

2



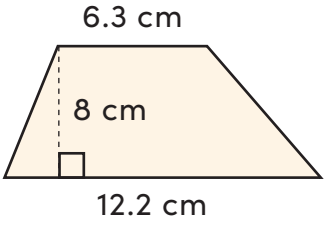
$A =$ 66 ft.^{2}

3



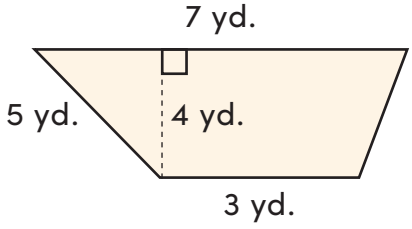
$A =$ 16 m^2

4



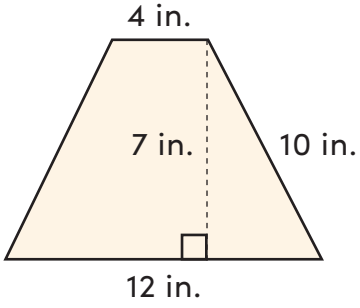
$A =$ 74 cm^2

5



$A =$ 20 yd.^{2}

6



$A =$ 56 in.^{2}