

Name _____

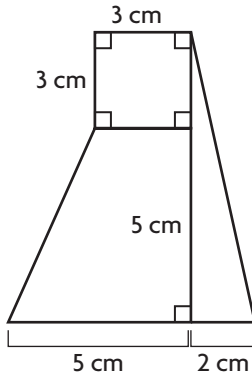
Composite Figures



COMMON CORE STANDARD—6.G.1
Solve real-world and mathematical problems involving area, surface area, and volume.

Find the area of the figure.

1.



area of square

$$A = s \times s$$

$$= \underline{3} \times \underline{3} = \underline{9} \text{ cm}^2$$

area of triangle

$$A = \frac{1}{2}bh$$

$$= \frac{1}{2} \times \underline{2} \times \underline{8} = \underline{8} \text{ cm}^2$$

area of trapezoid

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

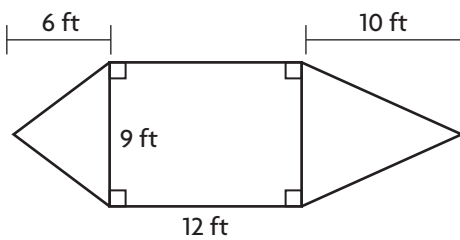
$$= \frac{1}{2} \times (\underline{5} + \underline{3}) \times \underline{5} = \underline{20} \text{ cm}^2$$

area of composite figure

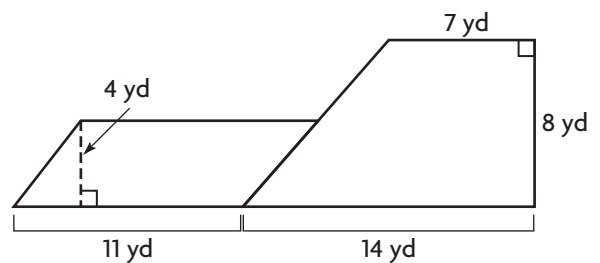
$$A = \underline{9} \text{ cm}^2 + \underline{8} \text{ cm}^2 + \underline{20} \text{ cm}^2$$

$$= \underline{37} \text{ cm}^2$$

2.

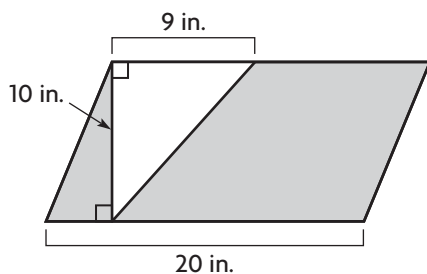


3.



Problem Solving Real World

4. Janelle is making a poster. She cuts a triangle out of poster board. What is the area of the poster board that she has left?



5. Michael wants to place grass on the sides of his lap pool. Find the area of the shaded regions that he wants to cover with grass.

