

# Area of Trapezoids

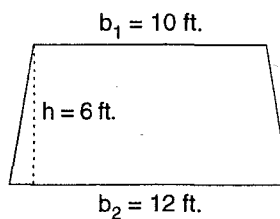
To find the area of a trapezoid, use the formula  $\frac{1}{2} (\text{base}_1 + \text{base}_2) \cdot \text{height}$ .

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

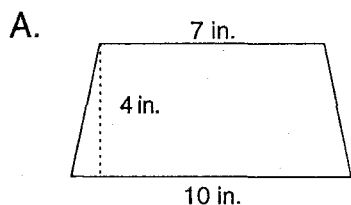
$$A = \frac{1}{2} (10 + 12) \cdot 6$$

$$A = \frac{1}{2} (22 \cdot 6)$$

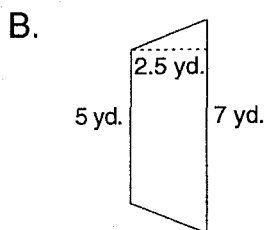
$$A = 66 \text{ ft.}^2$$



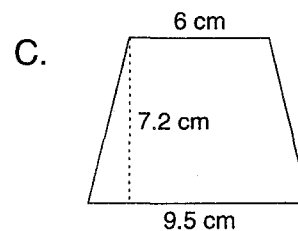
Write an equation using the formula  $\frac{1}{2} (b_1 + b_2) \cdot h$ . Use it to find the area of each trapezoid. Work on scratch paper. Write your answers in square units.



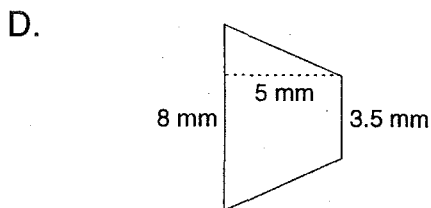
A = \_\_\_\_\_



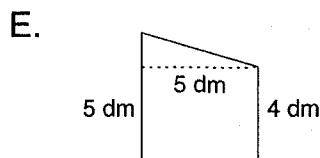
A = \_\_\_\_\_



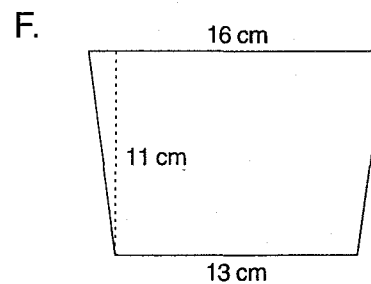
A = \_\_\_\_\_



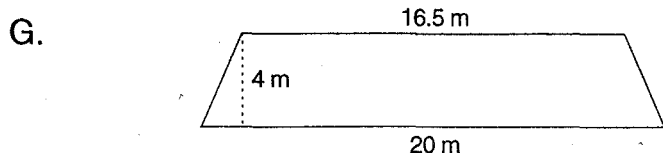
A = \_\_\_\_\_



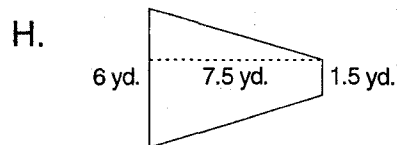
A = \_\_\_\_\_



A = \_\_\_\_\_



A = \_\_\_\_\_



A = \_\_\_\_\_