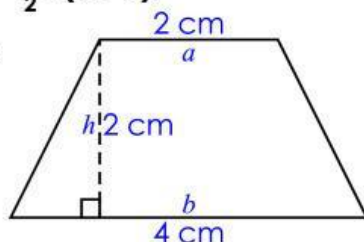


Name: _____

Area of a Trapezoid

The formula for finding the area of a trapezoid is **Area = $\frac{1}{2} \times \text{height} \times (\text{base } a + \text{base } b)$** .
This is written as **$A = \frac{1}{2} h(a + b)$** .

Example:



$$A = \frac{1}{2} h(a + b)$$

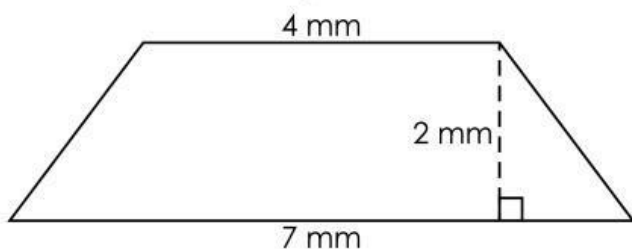
$$A = \frac{1}{2} \times 2 \text{ cm}(2 \text{ cm} + 4 \text{ cm})$$

$$A = \frac{1}{2} \times 2 \text{ cm}(6 \text{ cm})$$

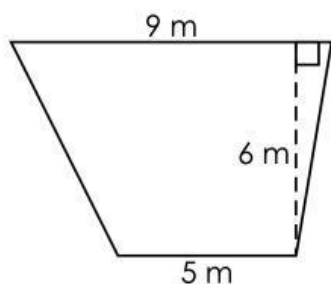
$$A = 1 \text{ cm}(6 \text{ cm})$$

$$A = 6 \text{ cm}^2$$

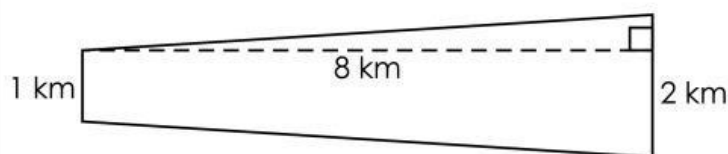
Find the areas of the trapezoids.



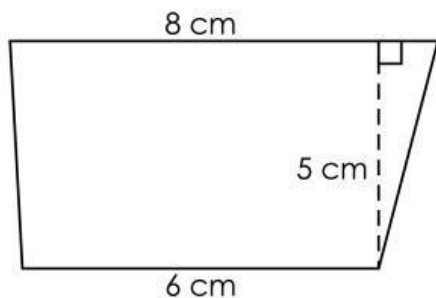
$$A = \underline{\hspace{2cm}}$$



$$A = \underline{\hspace{2cm}}$$



$$A = \underline{\hspace{2cm}}$$



$$A = \underline{\hspace{2cm}}$$