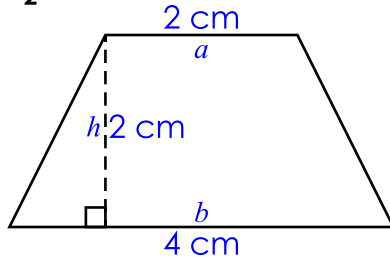


Name: \_\_\_\_\_

# Area of a Trapezoid

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

Example:



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

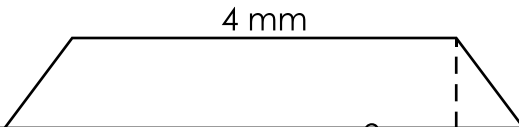
$$A = \frac{1}{2} \times 2 \text{ cm}(2 \text{ cm} + 4 \text{ cm})$$

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

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

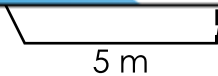
$$A = 6 \text{ cm}^2$$

Find the areas of the trapezoids.

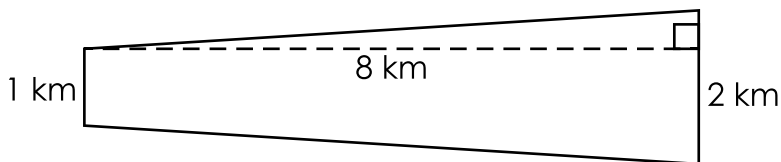


# Preview

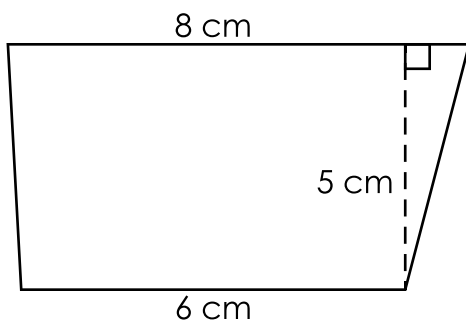
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$$A = \underline{\hspace{2cm}}$$



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



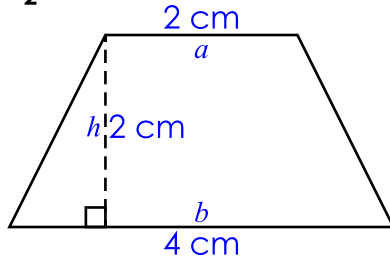
$$A = \underline{\hspace{2cm}}$$

# ANSWER KEY

## Area of a Trapezoid

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

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

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

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

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

Find the areas of the trapezoids.

4 mm

# Preview

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the printable version of this worksheet.



6 cm