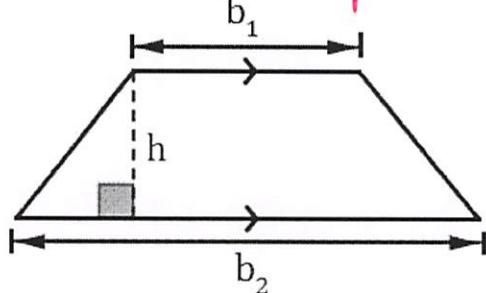


Area of a Trapezoid Homework

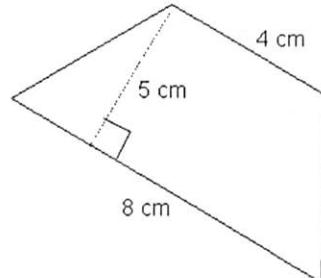
Area of a Trapezoid Formula

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

Name _____ **Key**



Find the Area of the Trapezoid



Formula and List of Values:

$$A = ?$$

$$b_1 = 4 \text{ cm}$$

$$b_2 = 8 \text{ cm}$$

$$h = 5 \text{ cm}$$

Substitution and Solve:

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

$$A = \frac{5 \cdot (4 + 8)}{2}$$

$$A = \frac{5 \cdot 12}{2} = 30$$

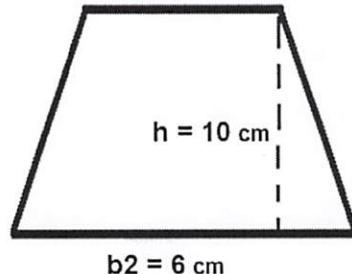
Final Labeled Answer:

$$30 \text{ cm}^2$$

NAME OF THE TRAPEZOID

Find the Area of the Trapezoid

$$b_1 = 8 \text{ cm}$$

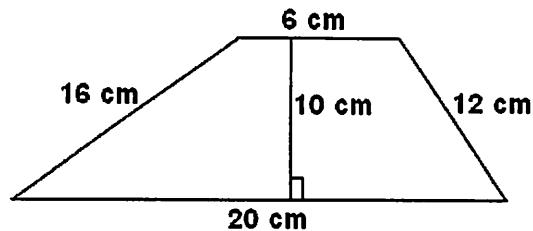


Formula and List of Values:

Substitution and Solve:

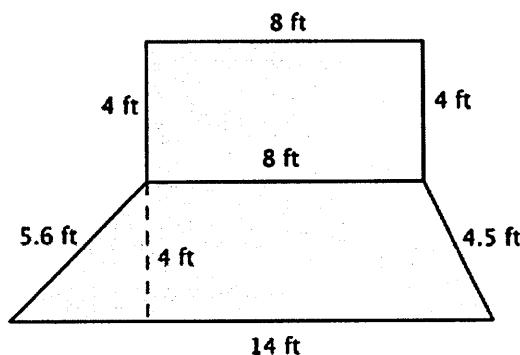
Final Labeled Answer:

Find the Area of the Trapezoid



Formula and List of Values:	Substitution and Solve:	Final Labeled Answer:

Find the Area of the Shape
Hint: Add the Area of the Rectangle and Trapezoid together



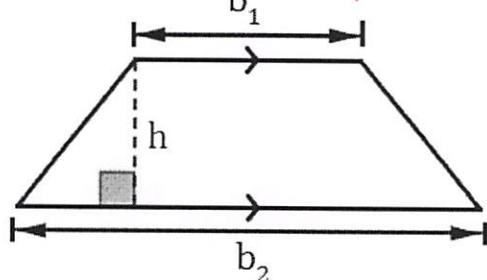
Formula and List of Values:	Substitution and Solve:	Final Labeled Answer:

Area of a Trapezoid Homework

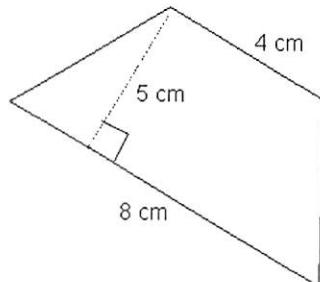
Area of a Trapezoid Formula

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

Name _____ **Key**



Find the Area of the Trapezoid



Formula and List of Values:

$$A = ?$$

$$b_1 = 4 \text{ cm}$$

$$b_2 = 8 \text{ cm}$$

$$h = 5 \text{ cm}$$

Substitution and Solve:

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

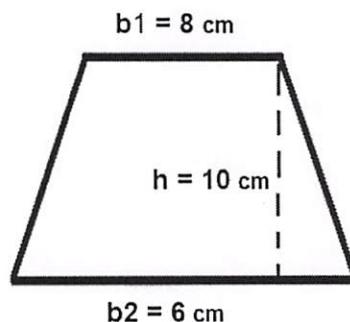
$$A = \frac{5 \cdot (4 + 8)}{2}$$

$$A = \frac{5 \cdot 12}{2} = 30$$

Final Labeled Answer:

$$30 \text{ cm}^2$$

Find the Area of the Trapezoid



Formula and List of Values:

$$A = ?$$

$$b_1 = 8 \text{ cm}$$

$$b_2 = 6 \text{ cm}$$

$$h = 10 \text{ cm}$$

Substitution and Solve:

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

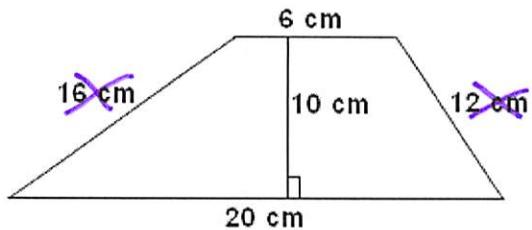
$$A = \frac{10 \cdot (8 + 6)}{2}$$

$$A = \frac{10 \cdot 14}{2} = 70$$

Final Labeled Answer:

$$70 \text{ cm}^2$$

Find the Area of the Trapezoid



Formula and List of Values:

$$A=?$$

$$b_1 = 6 \text{ cm}$$

$$b_2 = 20 \text{ cm}$$

$$h = 10 \text{ cm}$$

Substitution and Solve:

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

$$A = \frac{10(6 + 20)}{2}$$

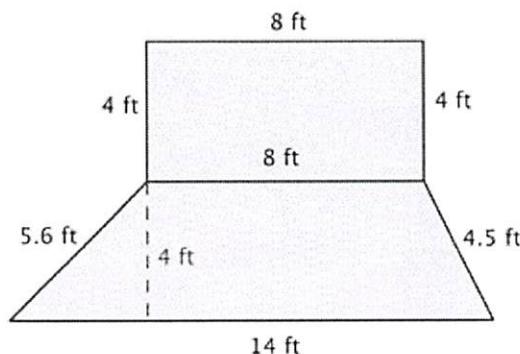
$$A = \frac{10 \cdot 26}{2} = 130$$

Final Labeled Answer:

$$130 \text{ cm}^2$$

Find the Area of the Shape

Hint: Add the Area of the Rectangle and Trapezoid together



Formula and List of Values:

Rectangle

$$A=?$$

$$b = 8 \text{ ft}$$

$$h = 4 \text{ ft}$$

Substitution and Solve:

$$A = b \cdot h$$

$$A = 8 \cdot 4$$

$$A = 32$$

Final Labeled Answer:

$$32 \text{ ft}^2$$

Trapezoid

$$A=?$$

$$b_1 = 8 \text{ ft}$$

$$b_2 = 14 \text{ ft}$$

$$h = 4 \text{ ft}$$

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

$$A = \frac{4(8 + 14)}{2}$$

$$A = \frac{4 \cdot 22}{2} = 44$$

$$\begin{array}{r} + 44 \text{ ft}^2 \\ \hline 76 \text{ ft}^2 \end{array}$$