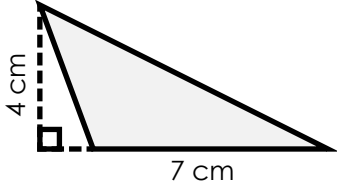


Name: \_\_\_\_\_

# Area of a Triangle

To find the area of a triangle, use the formula **area =  $\frac{1}{2}$  x base x height** or  **$A = \frac{1}{2} \times b \times h$** .

example:



$$A = \frac{1}{2} \times b \times h$$

$$\text{base} = 7 \text{ cm}$$

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

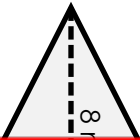
$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

$$A = \frac{1}{2} \times 28 \text{ cm}^2$$

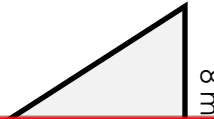
$$A = 14 \text{ cm}^2$$

Find the area of each triangle.

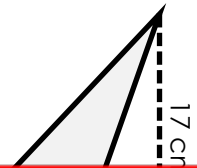
a.



b.

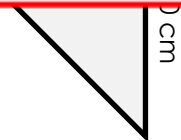
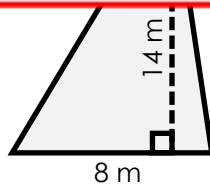
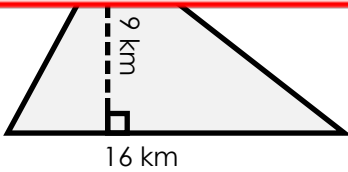


c.



# ~ PREVIEW ~

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area = \_\_\_\_\_

area = \_\_\_\_\_

area = \_\_\_\_\_

Find the area of a triangle using the base and height measurements.

g.

$$b = 14 \text{ meters}$$

$$h = 20 \text{ meters}$$

h.

$$b = 10 \text{ centimeters}$$

$$h = 15 \text{ centimeters}$$

i.

$$b = 7 \text{ kilometers}$$

$$h = 22 \text{ kilometers}$$

area = \_\_\_\_\_

area = \_\_\_\_\_

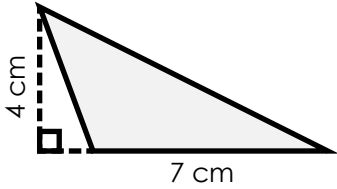
area = \_\_\_\_\_

# ANSWER KEY

## Area of a Triangle

To find the area of a triangle, use the formula **area** =  $\frac{1}{2} \times \text{base} \times \text{height}$  or **A** =  $\frac{1}{2} \times b \times h$ .

example:



$$A = \frac{1}{2} \times b \times h$$

$$\text{base} = 7 \text{ cm}$$

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

$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

$$A = \frac{1}{2} \times 28 \text{ cm}^2$$

$$A = 14 \text{ cm}^2$$

Find the area of each triangle.

a.



b.



c.



# ~ PREVIEW ~

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