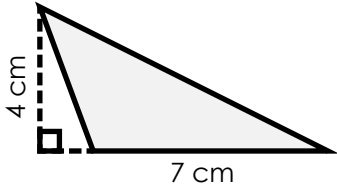


Name: _____

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:



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

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

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

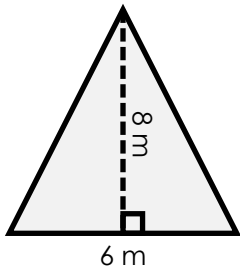
$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

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

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

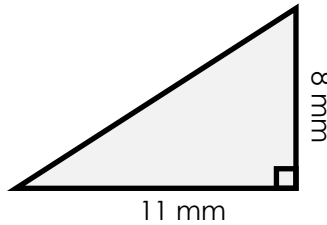
Find the area of each triangle.

a.



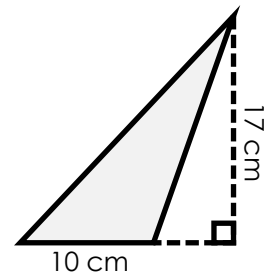
area = _____

b.



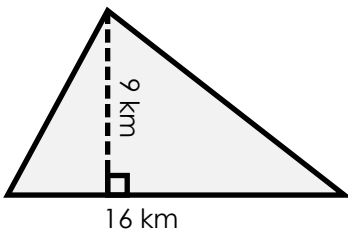
area = _____

c.



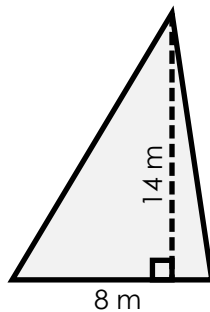
area = _____

d.



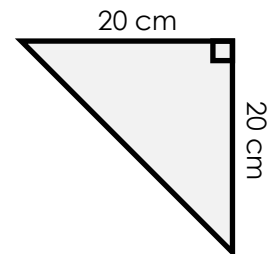
area = _____

e.



area = _____

f.



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 = _____

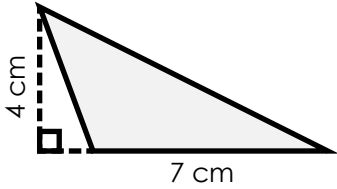
area = _____

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:



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

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

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

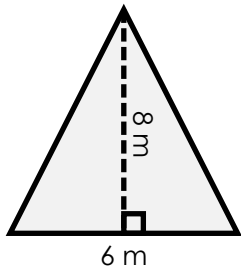
$$A = \frac{1}{2} \times 7 \text{ cm} \times 4 \text{ cm}$$

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

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

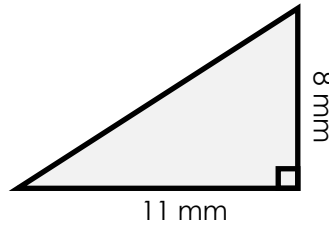
Find the area of each triangle.

a.



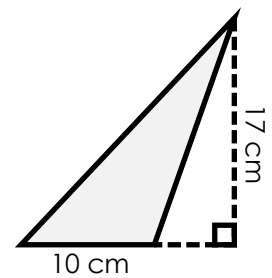
$$\text{area} = \underline{24 \text{ m}^2}$$

b.



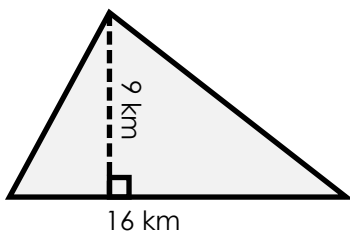
$$\text{area} = \underline{44 \text{ mm}^2}$$

c.



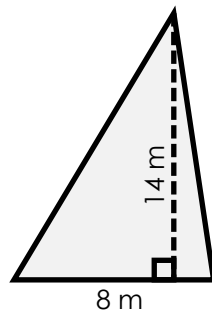
$$\text{area} = \underline{85 \text{ cm}^2}$$

d.



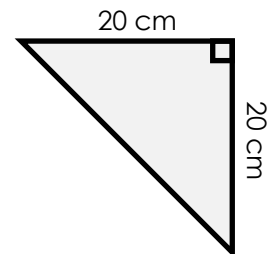
$$\text{area} = \underline{72 \text{ km}^2}$$

e.



$$\text{area} = \underline{56 \text{ m}^2}$$

f.



$$\text{area} = \underline{200 \text{ cm}^2}$$

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.

$$b = 7 \text{ kilometers}$$
$$h = 22 \text{ kilometers}$$

$$\text{area} = \underline{140 \text{ m}^2}$$

$$\text{area} = \underline{75 \text{ cm}^2}$$

$$\text{area} = \underline{77 \text{ km}^2}$$