

# AREA OF TRIANGLES

To find the area of any triangle, simply multiply the base and the height of the triangle together. Take the resulting product and divide by two.

We can use the following formula to calculate the area of any triangle.

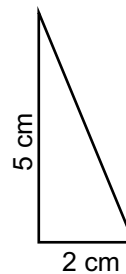
$$\text{Area} = \frac{b \cdot h}{2}$$

Example:  $\text{Area} = \frac{b \cdot h}{2}$

$$\text{Area} = \frac{2 \cdot 5}{2}$$

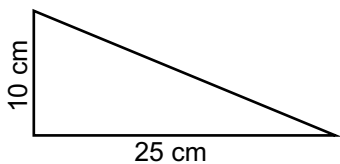
$$\text{Area} = \frac{10}{2}$$

$$\text{Area} = 5 \text{ cm}^2$$

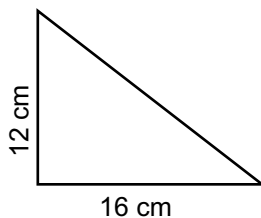


Directions: Find the area of each of the following triangles. Show your work like the example given above.

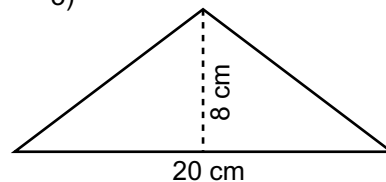
1)



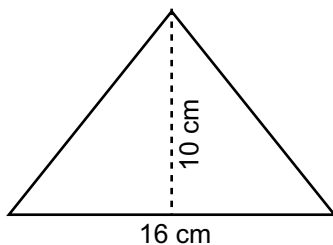
2)



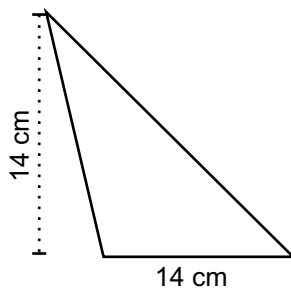
3)



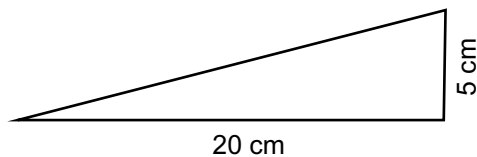
4)



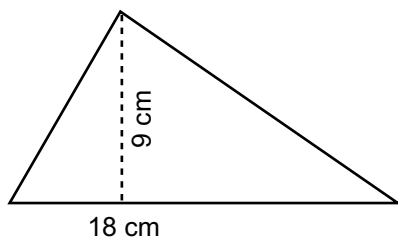
5)



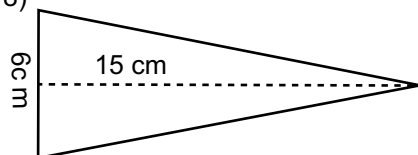
6)



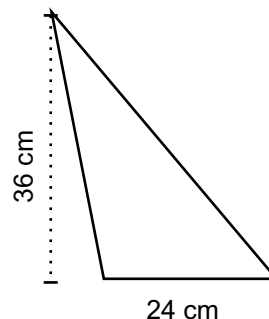
7)



8)



9)



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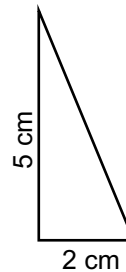
$$\text{Area} = \frac{b \cdot h}{2}$$

Example:  $\text{Area} = \frac{b \cdot h}{2}$

$$\text{Area} = \frac{2 \cdot 5}{2}$$

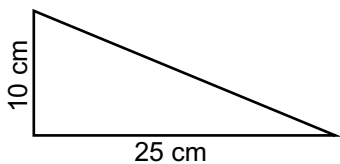
$$\text{Area} = \frac{10}{2}$$

$$\text{Area} = 5 \text{ cm}^2$$



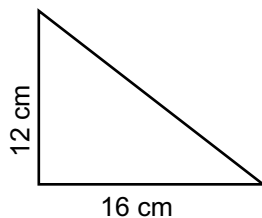
Directions: Find the area of each of the following triangles. Show your work like the example given above.

1)



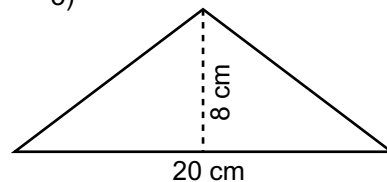
$$A = 125 \text{ cm}^2$$

2)



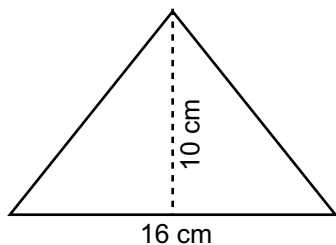
$$A = 96 \text{ cm}^2$$

3)



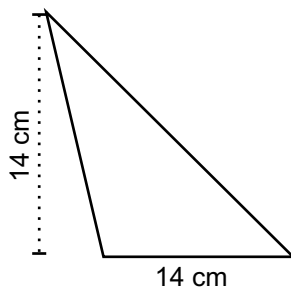
$$A = 80 \text{ cm}^2$$

4)



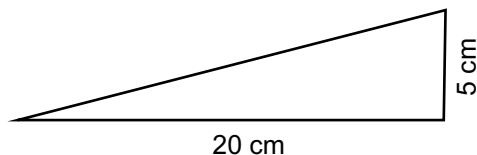
$$A = 80 \text{ cm}^2$$

5)



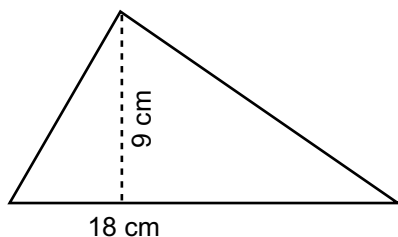
$$A = 98 \text{ cm}^2$$

6)



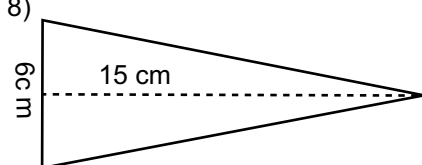
$$A = 50 \text{ cm}^2$$

7)



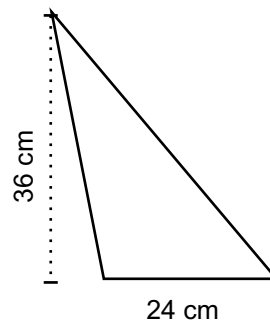
$$A = 81 \text{ cm}^2$$

8)



$$A = 45 \text{ cm}^2$$

9)



$$A = 432 \text{ cm}^2$$