

## Fast Five

1)  $9\text{km} = \underline{\hspace{2cm}}\text{m}$

2)  $1.25 \times 8$

3)  $185 \times 36$

4)  $210,000 + 600,000$

5)  $428,125 - 113,938 =$

## Fast Five Answers

1)  $9\text{km} = 9,000 \text{ m}$

2)  $1.25 \times 8 = 10$

3)  $185 \times 36 = 6,660$

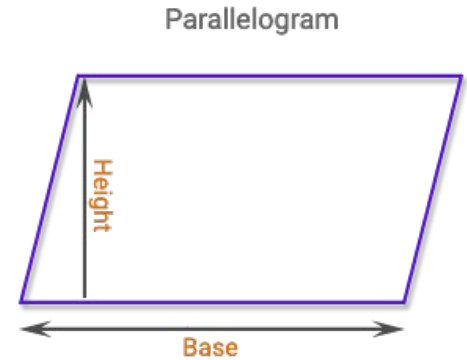
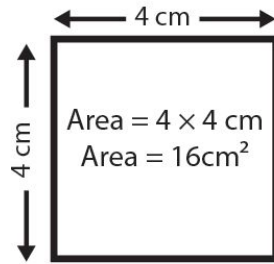
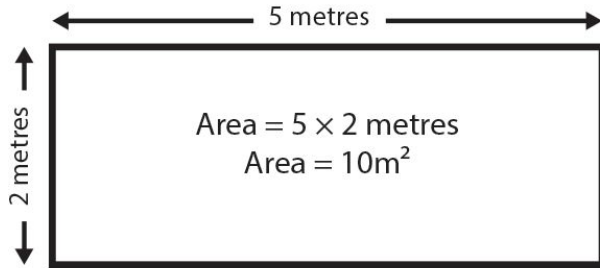
4)  $210,000 + 600,000 = 810,000$

5)  $428,125 - 113,938 = 314,187$

Can I use formulas to  
calculate the areas and  
volumes of shapes?

# Area (2d shapes):

The amount of space a shape takes up. Measured in  $\text{mm}^2$ ,  $\text{cm}^2$ ,  $\text{km}^2$ .

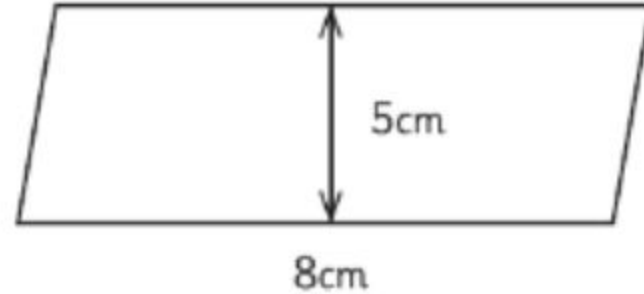
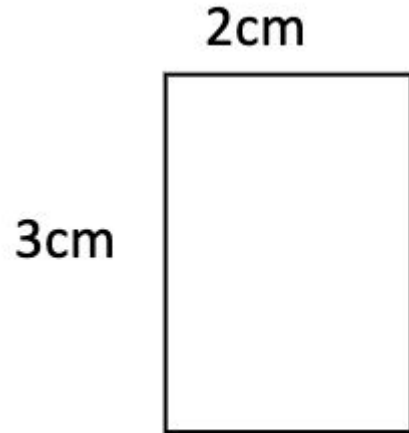


Area of parallelogram = **Base** x **Height**

Area = base x height

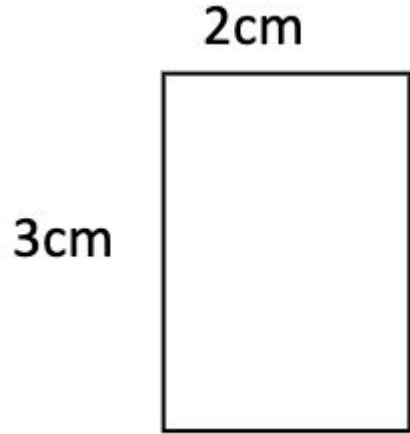
(Or area = length x width)

Calculate the area of these shapes:

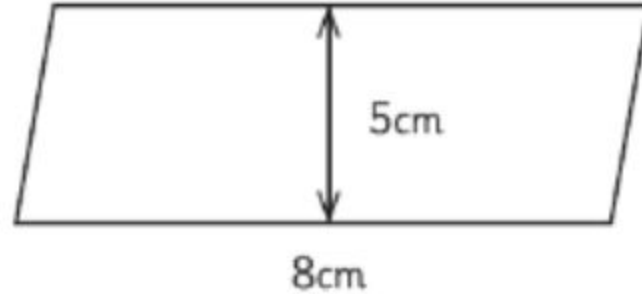


Area=base x height

Calculate the area of these shapes:



$6\text{cm}^2$

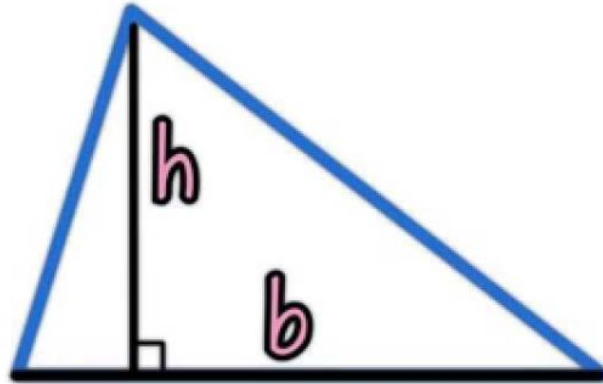


$40\text{cm}^2$

Area=base x height

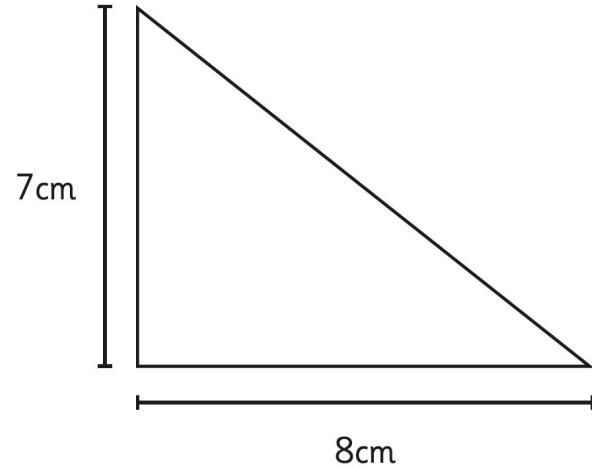
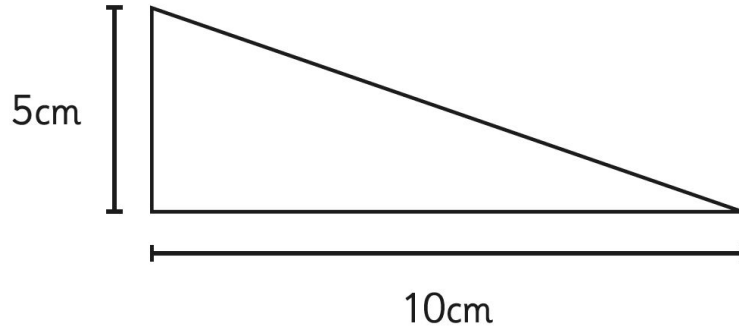
# Area (2d shapes):

The amount of space a shape takes up. Measured in  $\text{mm}^2$ ,  $\text{cm}^2$ ,  $\text{km}^2$ .



Area= half of base x height

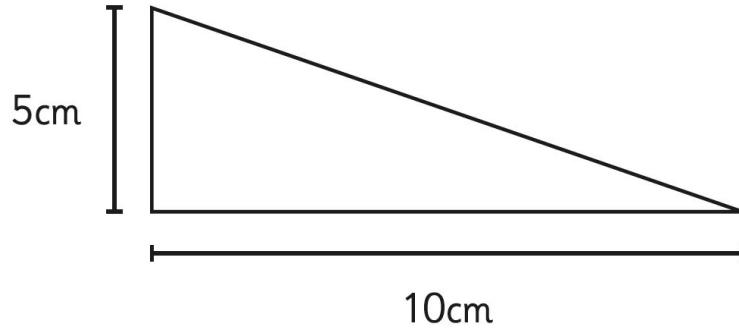
Calculate the area of these shapes:



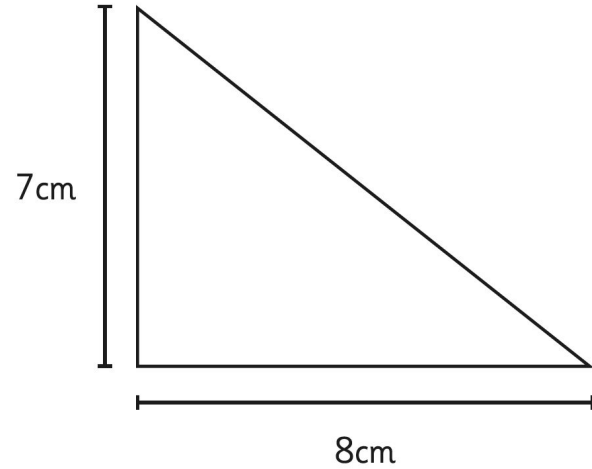
$$\text{Area} = \frac{1}{2} (\text{base} \times \text{height})$$



Calculate the area of these shapes:



$25\text{cm}^2$



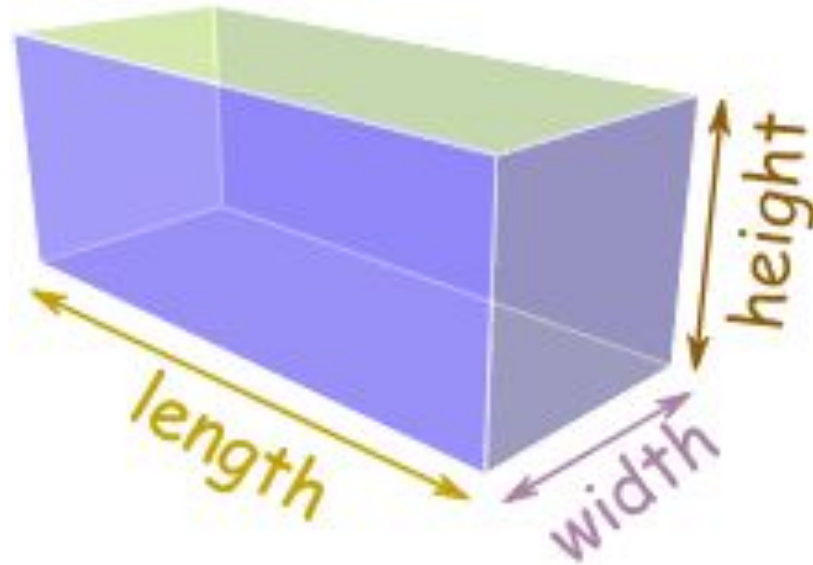
$28\text{cm}^2$

Area =  $\frac{1}{2}$  (base x height)

# Volume (3d shapes):

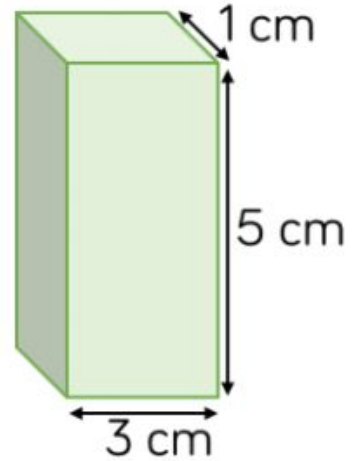
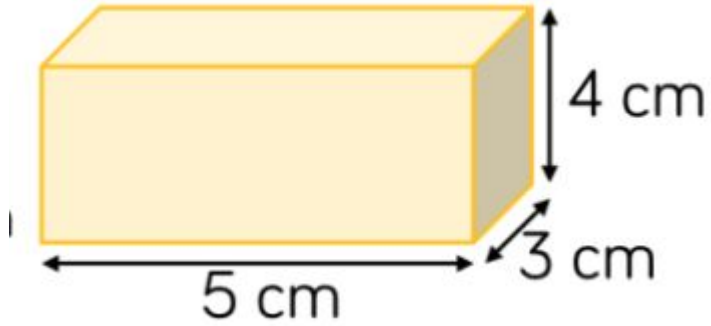
The amount of space a 3D shape takes up. Measured in  $\text{mm}^3$ ,  $\text{cm}^3$ ,  $\text{km}^3$ .

It doesn't matter which order you multiply the length, width and height in, as you will get the same answer regardless.



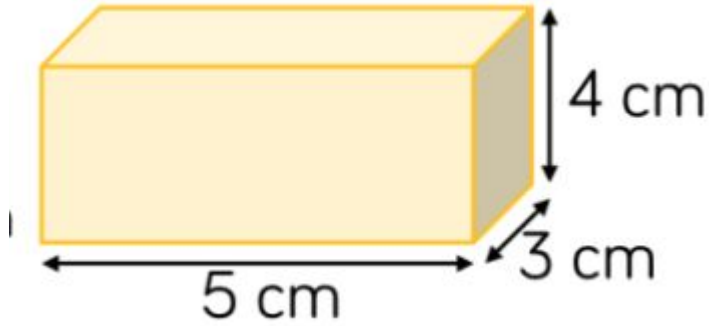
$$\text{Area} = \text{length} \times \text{width} \times \text{height}$$

Calculate the volume of these shapes:

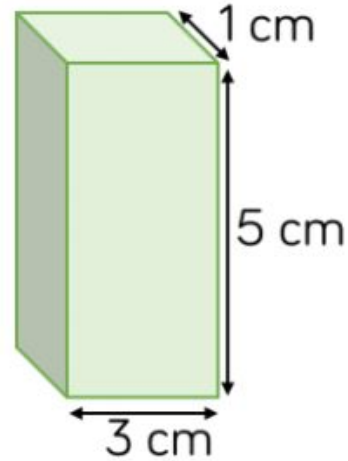


$$\text{Area} = \text{length} \times \text{width} \times \text{height}$$

Calculate the volume of these shapes:



$$5\text{ cm} \times 3\text{ cm} \times 4\text{ cm} = 60\text{ cm}^3$$



$$3\text{ cm} \times 5\text{ cm} \times 1\text{ cm} = 15\text{ cm}^3$$

Area=length x width x height