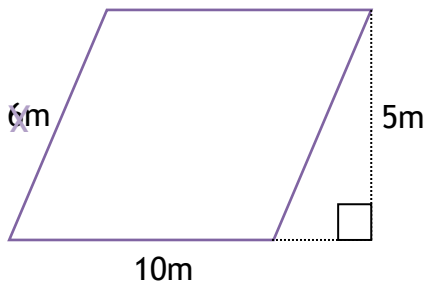


Remember to multiply **two** numbers that are at right angles - remember SNoTS!

e.g.



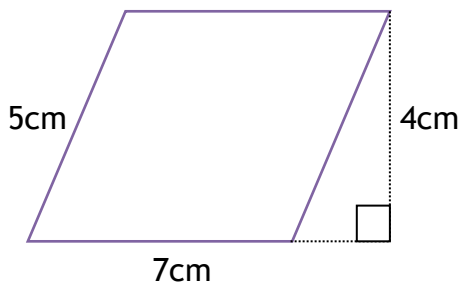
$$\begin{aligned} \text{Area} &= 10 \times 5 \\ &= \underline{50\text{m}^2} \end{aligned}$$

“Say No to Slants”

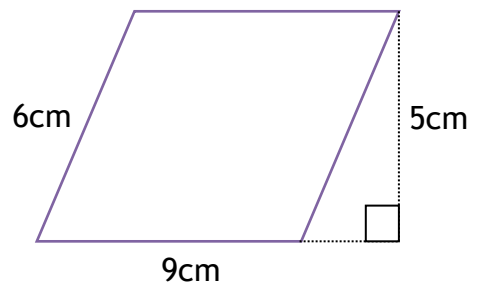
$$\text{Area} = b \times h$$

Exercise: find the area of these parallelograms. Don't forget the units.

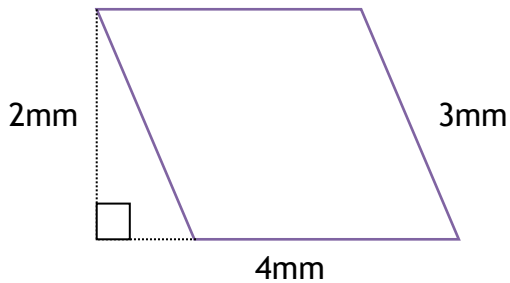
1.



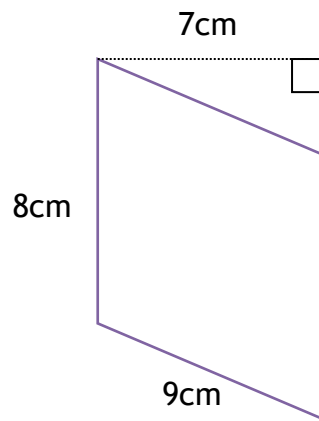
2.



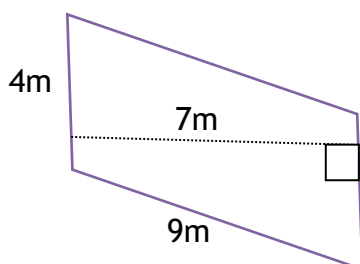
3.



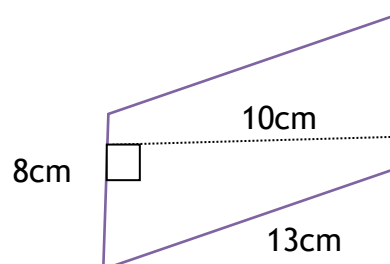
4.



5.



6.

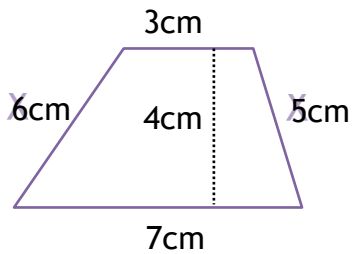


Area of a trapezium

“T for Trapezium/ T for Two - divide by 2”

“add the top/bottom (parallel sides), times by distance between then half”.

e.g.



$$3 + 7 = 10$$

$$10 \times 4 = 40$$

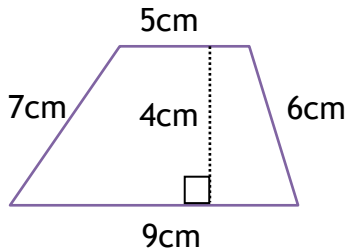
$$40 \div 2 = \underline{20\text{cm}^2}$$

“Say No to Slants”

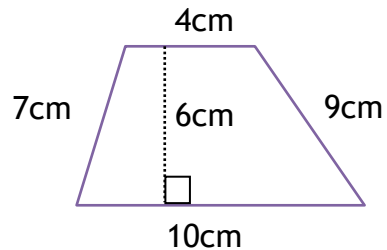
$$\frac{1}{2} (a + b)h$$

Exercise: find the area of these trapeziums. Don't forget the units.

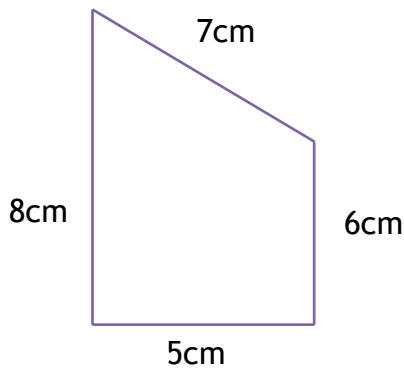
1.



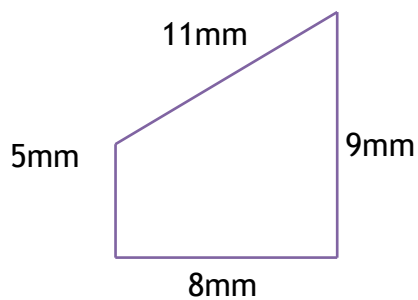
2.



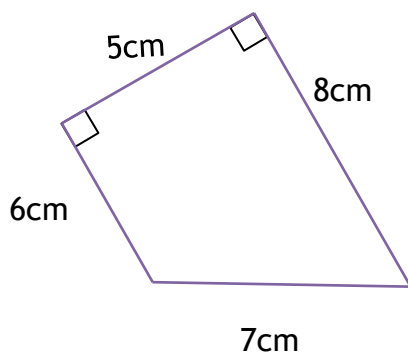
3.



4.



5.

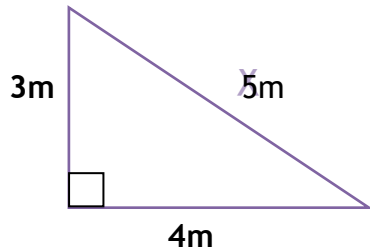


Area of a triangle

“T for Triangle/ T for Two - divide by 2”

“length \times width $\div 2$ ”

e.g.

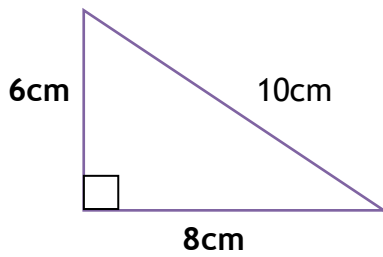


$$\begin{aligned} \text{Area} &= 3 \times 4 \div 2 \\ &= \underline{6 \text{ m}^2} \end{aligned}$$

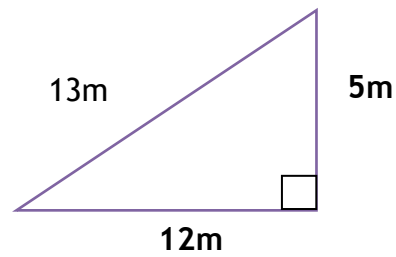
$$\frac{1}{2} b \times h$$

Exercise: find the area of these triangles. Don't forget the units.

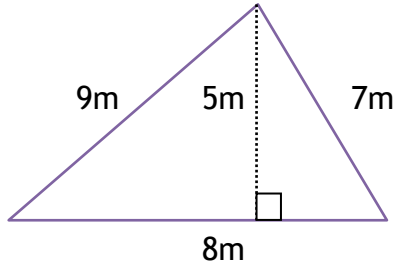
1.



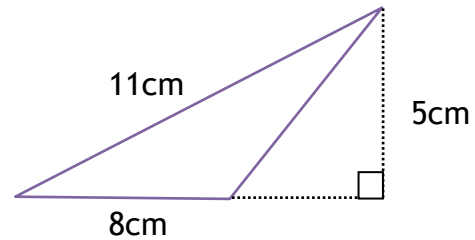
2.



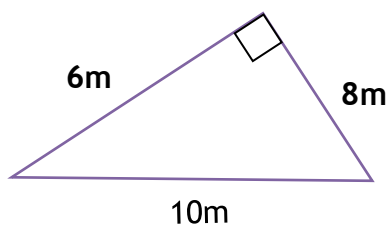
3.



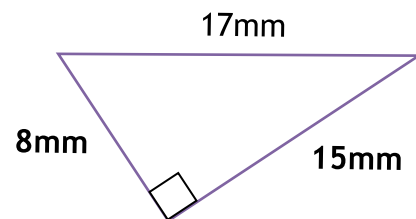
4.



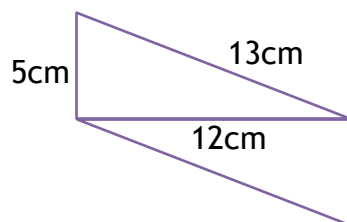
5.



6.



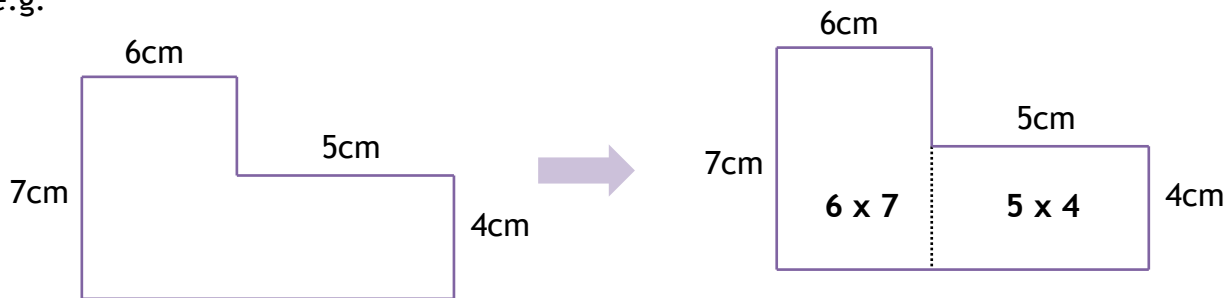
7.



Area of irregular shapes

Now try to do it without the two rectangles showing by drawing a line to 'chop' the shape into two rectangles

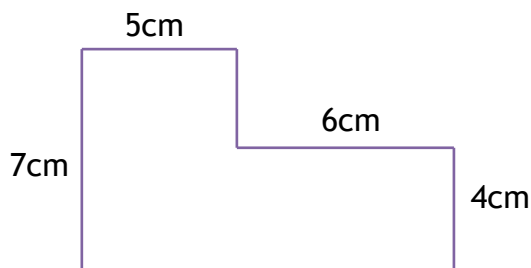
e.g.



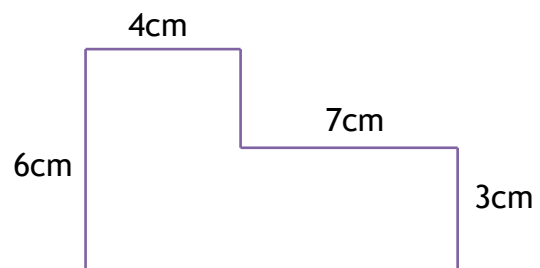
$$\begin{aligned} \text{Total area} &= 6 \times 7 + 5 \times 4 \\ &= 42 + 20 \\ &= \underline{\underline{62\text{cm}^2}} \end{aligned}$$

Exercise: find the area of these irregular shapes. Don't forget the units.

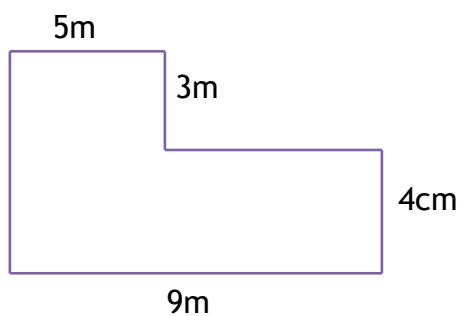
1.



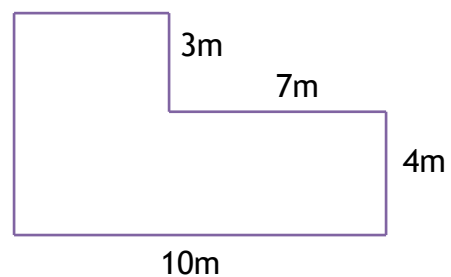
2.



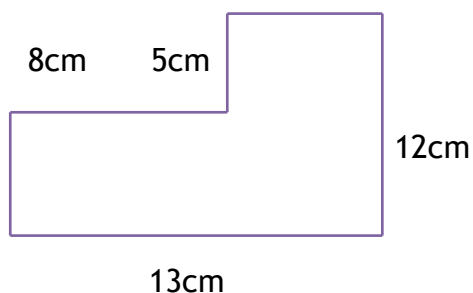
3.



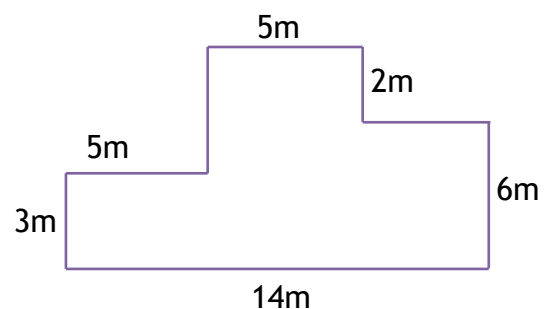
4.



5.



6.



Answers:

Parallelograms

1. 28cm^2
2. 45cm^2
3. 8mm^2
4. 56cm^2
5. 28m^2
6. 80cm^2

Trapeziums

1. 28cm^2
2. 42cm^2
3. 35cm^2
4. 56mm^2
5. 45m^2

Triangles

1. 24cm^2
2. 30m^2
3. 20m^2
4. 20cm^2
5. 24m^2
6. 60mm^2
7. 60 cm^2

Irregular shapes

1. 59cm^2
2. 45cm^2
3. 51m^2
4. 49m^2
5. 116cm^2
6. 74m^2