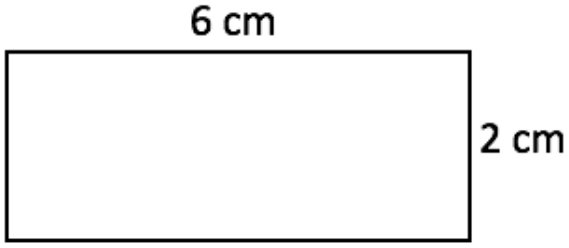
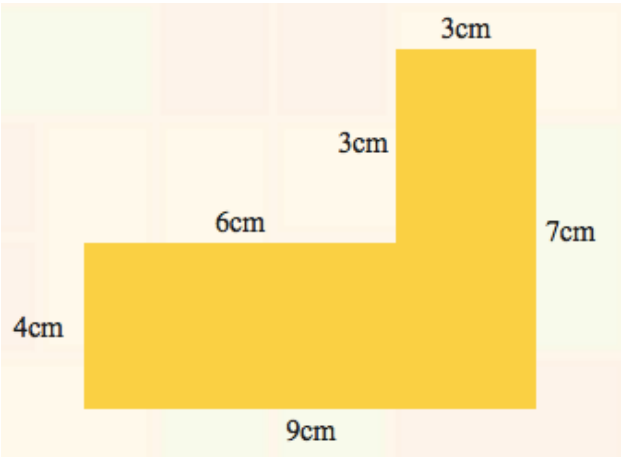
Reasoning – Thursday 26th March

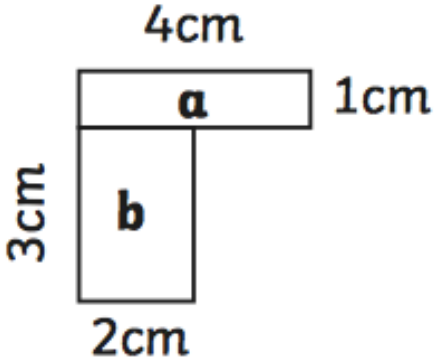
Area and Perimeter

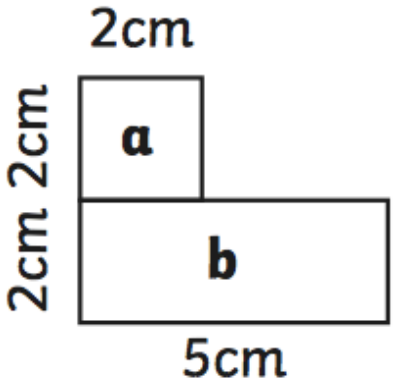
Day 4 – Bronze problems

Calculate the perimeter and area of the following shapes. Show ALL of your working – just as we have practised in class.



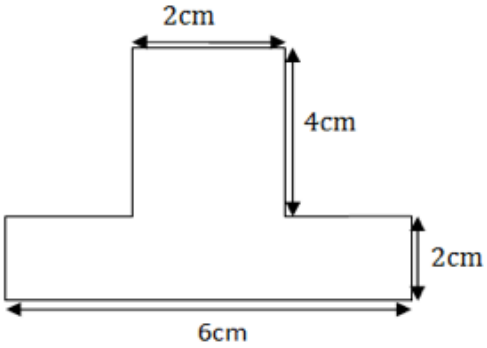


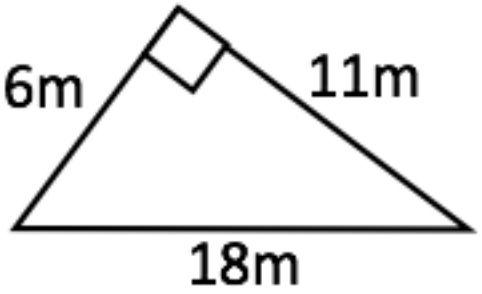


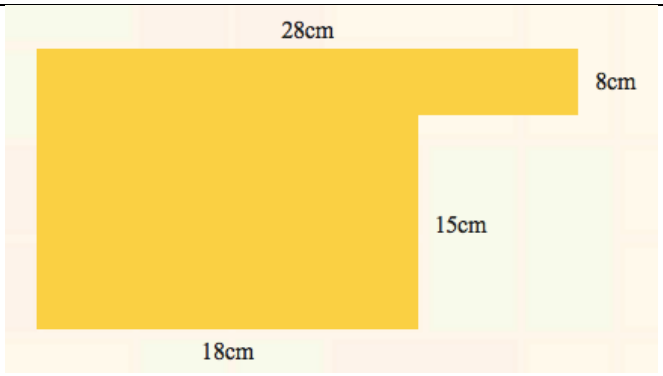


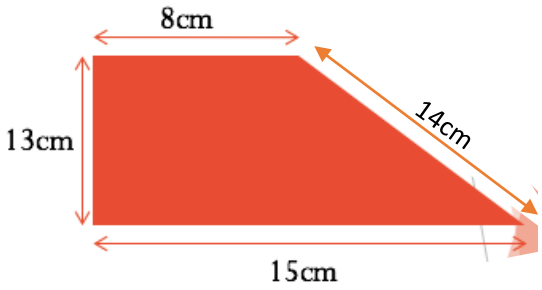
Day 4 – Silver problems

Calculate the perimeter and area of the following shapes. Show ALL of your working – just as we have practised in class.









Day 4 – Gold problems

A shape is made up of a square and rectangle.

The perimeter of the shape is 70cm.

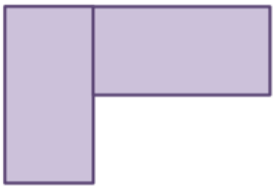
The area of the square is 121cm^2

What is the area of the rectangle?

A square has a perimeter of 48 cm.

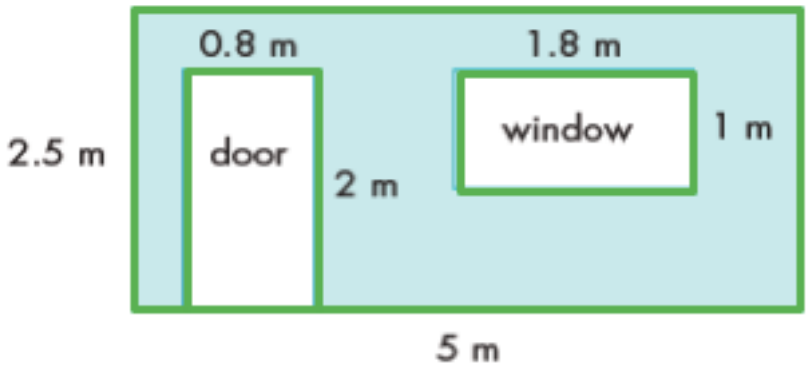
The square is cut in half.

The two halves are put together to make this shape.



What is the perimeter of the new shape?

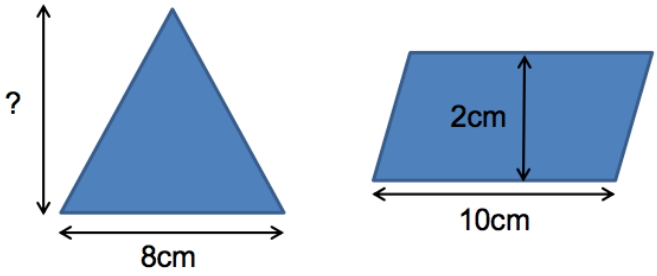
James is painting a wall as shown by the shaded region below:



He buys a tin of paint that will cover $10m^2$. Will he have enough paint?

Two Shapes

The triangle and parallelogram have the same area.



Find the height of the triangle.

Explain your reasoning.