

Year 4 Home Learning 22.6.20-26.6.20 Week 12

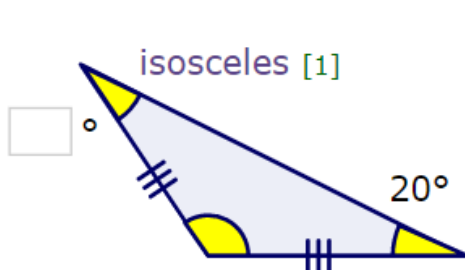
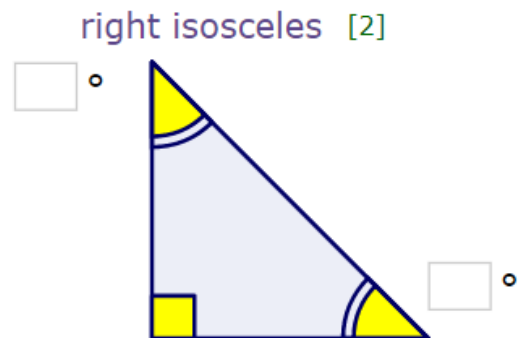
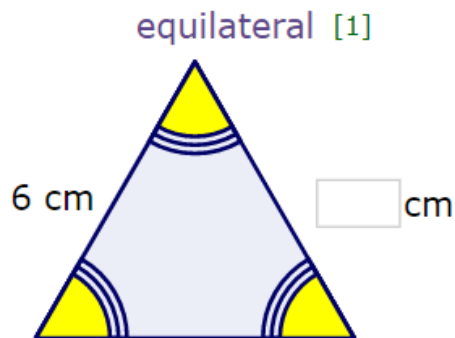
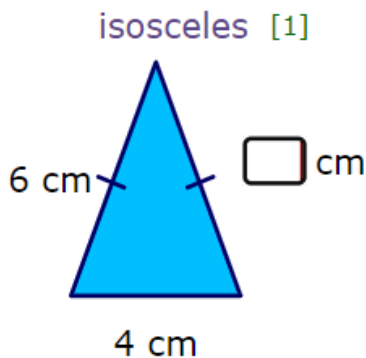
Maths Support Document

This week you will be focusing on properties of shape. You will need to follow the MyMaths link below and use your login details to access the tasks. Make sure you go through the online lesson before completing the task.

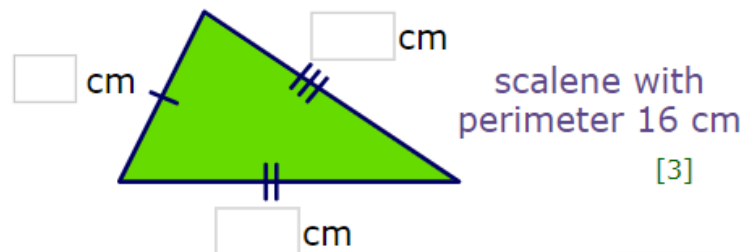
<https://login.mymaths.co.uk/login>

**Lesson One:** Properties of triangles

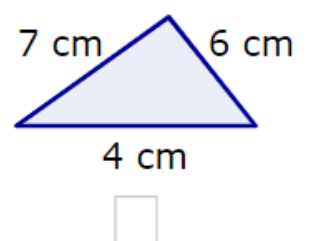
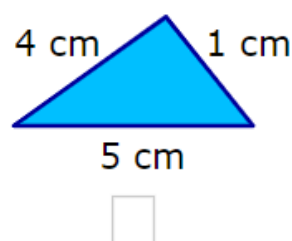
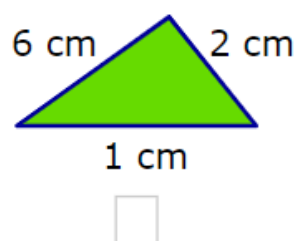
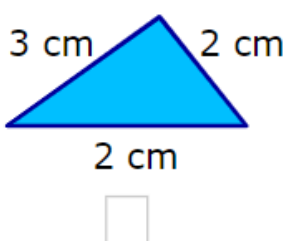
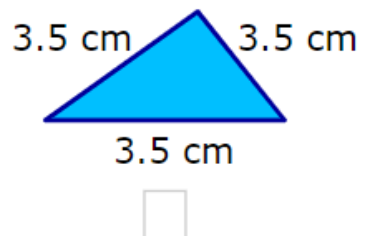
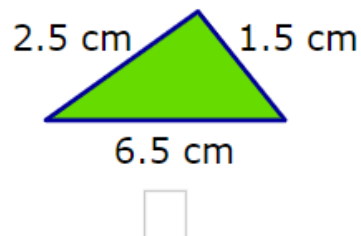
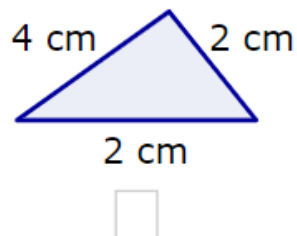
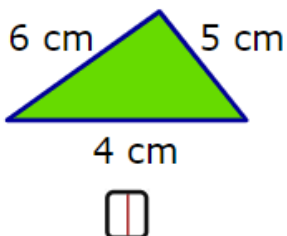
Fill in the missing sides and angles on these triangles. Angles in a triangle sum to  $180^\circ$ .



Fill in side lengths to make a possible triangle.



For each triangle decide whether it is impossible to draw (X), or, if it is possible, whether it is scalene (S), isosceles (I) or equilateral (E). The triangles are **NOT** necessarily drawn to scale.



**Lesson Two:** Lines and quadrilaterals

Which shape is being described? Click the correct shape.

This shape has 4 equal sides, and equal length diagonals.



square



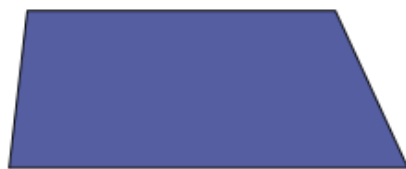
rectangle



rhombus



parallelogram



trapezium

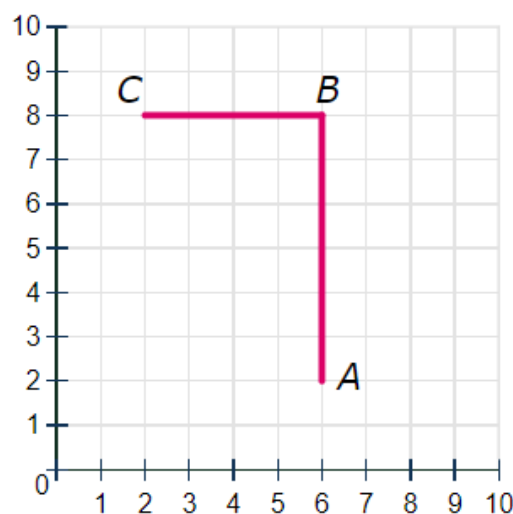


kite

What are the coordinates of  $D$ , if  $ABCD$  is to be a trapezium but not a rectangle?

(  ,  )

[2]



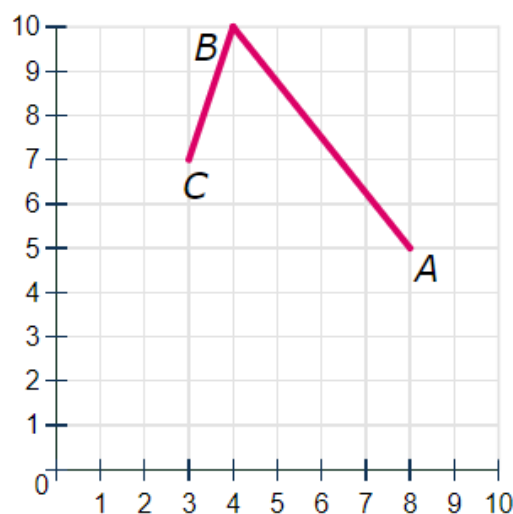
Do the diagonals cross at right angles? Y/N

[1]

What are the coordinates of  $D$ , if  $ABCD$  is to be a parallelogram?

(  ,  )

[2]



Do the diagonals cross at right angles? Y/N

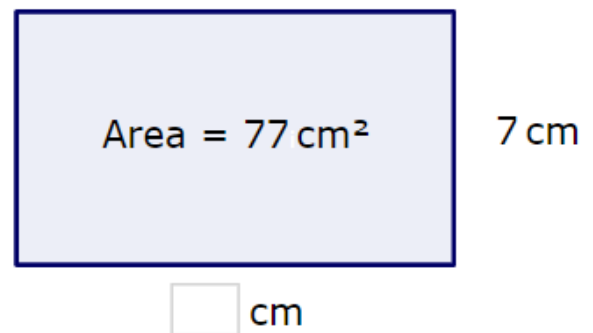
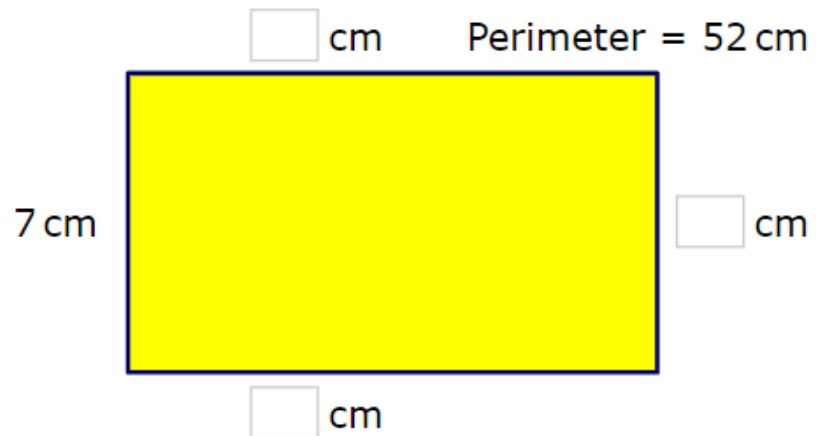
[1]

### Lesson Three: Rectangles and irregular polygons

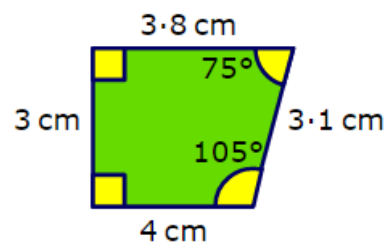
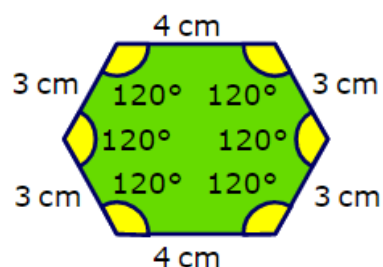
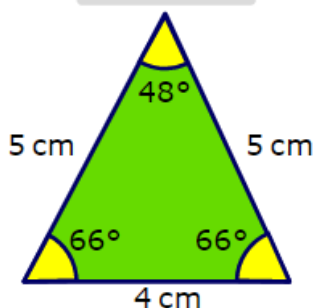
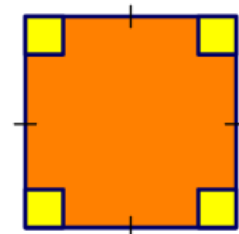
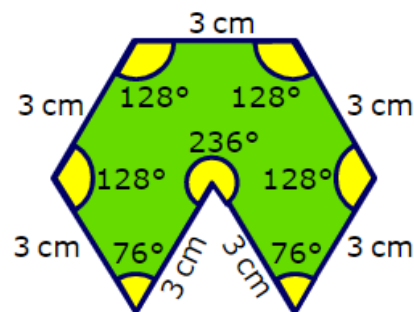
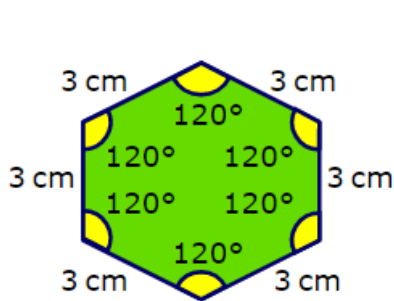
Solve the problems.



Perimeter =  cm



Place the correct label next to each shape.



Regular

Irregular

**Challenge/Extension:** Complete the test style questions based on the objectives covered this week.

Two of the angles in a triangle are  $70^\circ$  and  $40^\circ$

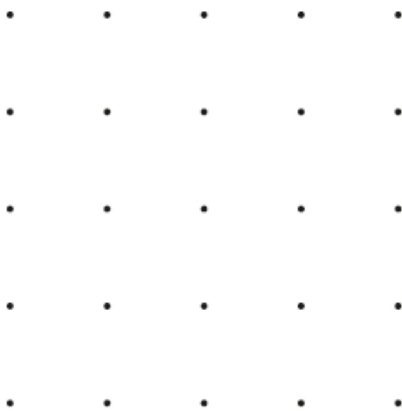
Jack says,

The triangle is equilateral.



Explain why Jack is **not** correct.

Join dots on the grid to make a quadrilateral that has **3 acute** angles.



Circle the **pentagon** with exactly **four acute** angles.

