

# MATHS

## **Objectives being covered this term:**

### **Measures:**

#### *Perimeter and Length*

- Convert between different units of measure (for example, kilometre to metre).
- Find the area of rectilinear shapes by counting squares.
- Measure and calculate the perimeter of a rectilinear figure in cm and m.

### **Geometry:**

#### *Angles*

- Identify acute and obtuse angles and compare and order angles up to two right angles by size.

#### *Shape and Symmetry*

- Compare and classify geometric shapes including quadrilaterals and triangles based on their properties and sizes.
- Identify lines of symmetry in 2D shapes presented in different orientations.
- Complete a simple symmetric figure with respect to a specific line of symmetry.

#### *Position and Direction*

- Describe positions on a 2D grid as coordinates in the first quadrant.
- Describe movements between positions as translations of a given unit to the left, right and up, down.
- Plot specified points and draw sides to complete a given polygon.

#### *Statistics*

- Interpret and present discrete and continuous data using appropriate graphical methods including bar charts and time graphs.
- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

### **Useful Websites:**

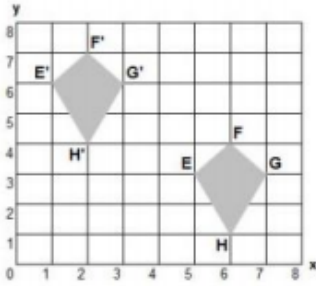
[www.counton.org](http://www.counton.org) has lots of ideas and games to play.

<http://www.primaryhomeworkhelp.co.uk/maths/>

[www.nrich.maths.org.uk](http://www.nrich.maths.org.uk) for more challenging problems and puzzles

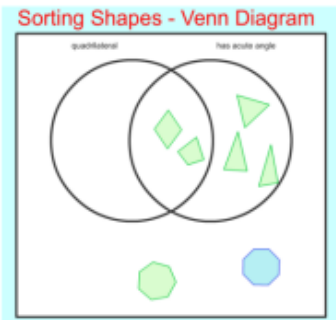
[www.mathszone.co.uk](http://www.mathszone.co.uk) many interactive maths games and activities

### **Methods:**

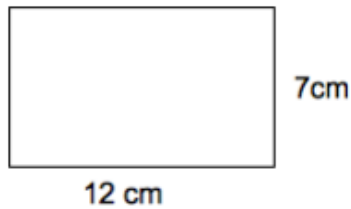


Find the coordinates of each corner by reading along the x axis and then along the y axis. H would be (6,1).

Translate a shape a certain amount left/right/up/down. This shape has been translated 4 left and 3 up.



Use diagrams to sort shapes according to their shape and angle properties.



Measure the perimeter and area of a quadrilateral.

Area - multiply the length by the width. This shape has an area of  $84\text{cm}^2$ . Perimeter – Imagine you are an ant walking around the outside. Add together the distance you have walked (It should be two times the length and two times the width). The

perimeter of this shape is 38cm.

### Things to do at home:

- Find shapes around the house and out and about, name them and give two properties.
- Find lines of symmetry in buildings.
- Measure the perimeter and area of a room in the house or the garden. Draw a diagram to show the room/garden and measurements.
- Survey your friends and family about their favourite food/colour/animal/tv character. Draw a graph to represent the data collected.