Maths tasks for 2 weeks – Perimeter and angles

Day 1 Monday 29th June: What is Perimeter and how do we calculate it?

We are going to learn about perimeter now. Remember you learnt about this in year 3 and 4! What is perimeter? When might we need to work out the perimeter in real life? What is the purpose? We have already learnt about area… now it is time to learn about perimeter!

Watch this fun clip – (we watched it in year 3 do you remember!)
https://www.youtube.com/watch?v=Tpy09HOkHyI

Look at the perimeter PowerPoint and then answer the questions on the 'calculate the perimeter' sheet.

Day 2 Tuesday 30th June: Measuring Perimeter

Answer the questions on the 'measuring perimeter' sheet.

Day 3 Wednesday 1st July: Perimeter

Today you are going to draw some of your own 2D shapes using a ruler. Then you need to measure them with your ruler and label each side. Next work out their perimeter. Record this for each shape that you create.

Challenge: Can you create some irregular shapes? Remember irregular means that not all the lengths are the same.

Day 4 Thursday 2nd July: Perimeter

Answer the questions on 'measuring perimeter of composite shapes' and mark your work.

Day 5 Friday 3rd July: Perimeter word problems

Answer the questions called 'perimeter word problems' and then mark your work.

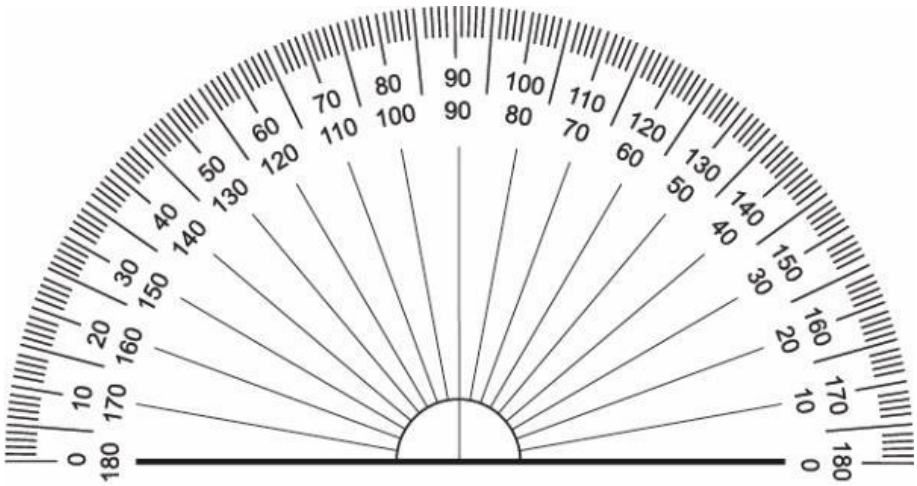
Day 6 Monday 6th July: Angles revision

Can you remember what angles are? Can you name any? I remember teaching you all about angles in year 3 and we watched some fun clips – we loved them and sang along! Follow this link as a reminder and a recap about angles:

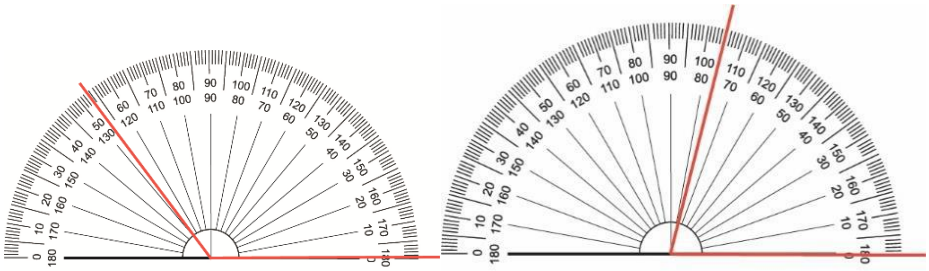
https://www.youtube.com/watch?v=NVuMULQjb3o

As a revision draw some examples of each type of angle – acute, obtuse, right angle and then label them. Can they be in different orientations and still be that type of angle? Have a go at drawing the angles in different directions.

If you have a protractor you can measure and label each angle. Use the information below to support you:



- This is a protractor. It is used for measuring angles.
- It measures angles in degrees.
- It has 2 scales (one inside the other) and counting in different directions. It may be helpful to count in 10s around each scale, to make the point.
- There is a base line, between 0° and 180°, which sits on the horizontal.
- 90° is at the top, in the middle and directly below this on the horizontal is the 'cross hair'.
- This protractor can measure acute and obtuse angles.
- The corner of the angle we measure will sit at the middle point between the horizontal line between 0°-180° and the vertical line up to 90°.



Above I have measured two different angles using a protractor to show you how to do it!

Can you spot any angles around your home? What objects can you see them in? Go on an angle hunt and see how many types of angle you can spot.

Day 7 Tuesday 7th July: Types of angles

Look at the angles below:

These are all right angles – even though they are all in different orientations they are still all right angles!

Can you draw 3 right angles of your own?!

Points to remember:

- angles are a measure of a turn and measured in degrees (°)
- you will see angles when something is moved around a point and there has been a change of direction e.g. a door or cupboard opening
- in 2-D, angles are represented where 2 lines come to a point showing a change of direction
- a right angle is a specific kind of angle, exactly 90°, as seen in the corner of a square.

Watch the Powerpoint called 'types of angles' and then complete the sheet called 'types of angles' and then mark your work.

Day 8 Wednesday 8th July: Angles activities

So far we have learnt about different types of angles:

- Acute angles = less than 90°
- Right angles = 90°
- Obtuse angles = between 90° and 180°
- Remember a reflex angle is between 180° and 360°.

Have fun completing the 'angles activities' sheets today and then mark your work.

Day 9 Thursday 9th July: Angles that meet at a point

Watch the clip to support you in understanding angles and angles that meet at a point:

https://www.youtube.com/watch?v=lYefiunFAuU

Now complete the sheet called 'angles at a point.'

Day 10 Friday 10th July: Angles

Look at the Powerpoint called 'rainbow angles.'

Then complete the sheet called 'missing angles on a straight line.'

Finally complete the angles quiz called ‘calculating angles on a straight line’ and mark your work.