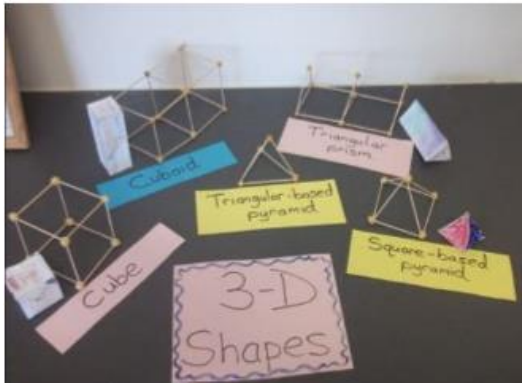
Maths Homework Grid (Y3)

Practise your tables, play a maths game and choose one other thing to work on each day. Watch the video link for each one and then have a go yourself!

Times Tables Spend at least 15 minutes a day practising your times tables https://ttrockstars.com/ https://www.topmarks.co.uk/maths-games/hit-the-button https://www.timestables.co.uk/	**Fractions of amounts** Go and look in your sock drawer. How many pairs of socks do you have? What different colours of socks do you own? How many of them are patterned? How many of them are plain? Are there any other ways that you could put your socks into categories? Using this information express your sock draw in fractions, e.g. ¼ of my socks are patterned ½ of my socks are white When you have finished, make sure all of your socks are in pairs and put them away in your drawer. https://www.youtube.com/watch?v=E2QvVicQcMo
Maths Games Choose a maths game to play each day. Have a go making up new rules or inventing your own maths game. https://matr.org/blog/fun-maths-games-activities-for-kids/ Link to maths games videos: https://www.youtube.com/watch?v=foj6ujoT_HU&list=PLWIJ2KbiNEyoBDc5yLJ4PaiaY3o5E5xCB	**3D shapes** Using match sticks/cut straws/tooth picks/twigs from the garden and playdough/blue tack/marshmallows make a range of 3D shapes. Can you name these shapes and identify some properties of them? 

NRich problem

Google the nRich problem 'Seeing squares'

Play against a friend or the computer to be the first to join two dots together to make a square.

https://nrich.maths.org/13125

Seeing Squares

Age 5 to 11 ★

This game can be played against a friend or against the computer.

Players take it in turns to click on a dot on the grid - first player's dots will be blue and the second player's (or computer's) will be red.
If you choose to play with a friend rather than the computer click "2 player", (click "1 player " if you choose to play the computer).
The winner is the first to have four dots that are shown joined by straight lines to form a square.

Squares can be any size, anywhere and can be tilted.

For a further challenge, why not increase the size of the grid using the arrow buttons?

If you are not using the interactive game, you may like to print off some dotty paper.

Interpreting data

If you do not have access to a computer, then have a look at this information for the name Alfie and interpret this as a graph or chart. Can you write some statements about this data?

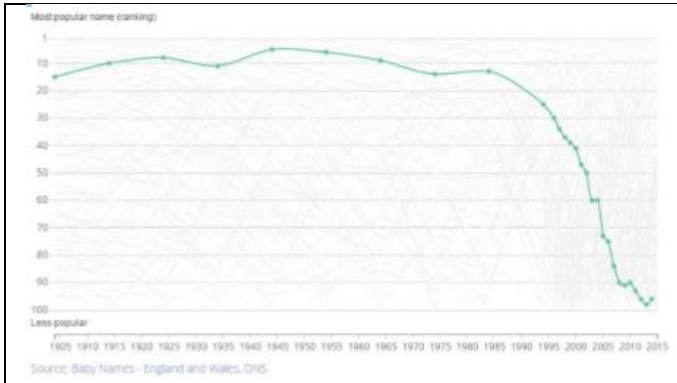
Year	Ranking (out of top 100 names)
1997	97
1998	71
1999	64
2000	57
2001	54
2002	49
2003	17
2004	25
2005	23
2006	16
2007	10
2008	6
2009	4
2010	4
2011	4
2012	7
2013	11
2014	14
2015	14
2016	12
2017	15
2018	15

Statistics

The name Robert used to be the 12th most popular name in 1905 but in 2015 it was only the 97th most popular name.

Time (O'Clock, half past, quarter past and quarter to)

Investigate a digital clock in your house



Use the internet to research your own name or a name that you like and see how that name has changed in terms of popularity over the last 100 years. Can you create a chart or a graph to display this data?

What time will have the most sections of the clock lit up? - How many times a day will the digit 5 be used? - What time will be shown when the least sections will be lit up?

Money

You have an imaginary £10 to spend.
Using an Argos catalogue, Amazon or similar shopping website create a wish list that totals your money.
Can you spend your £10 exactly?

Google the nRich problem 'How much did it cost?'
https://nrich.maths.org/5949

How Much Did it Cost?

Age 7 to 11 **

Dan bought a packet of crisps and an ice cream.

The cost of both of them together is in one of the boxes below.

If you are using dollars instead of pounds then go to

£1.85	75p	£1.74	£2.25	£1	£1.56
£2.10	80p	£1.80	£3.06	£1.44	£1.50
£1.60	£1.25	£1.20	90p	£1.45	£1.27

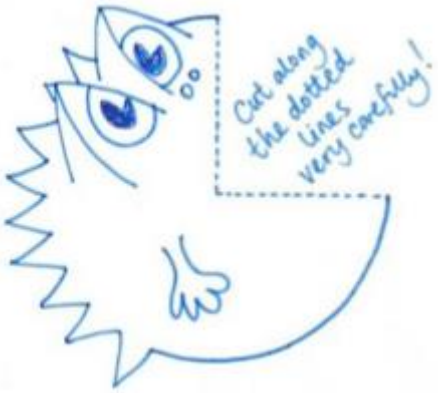
Use these clues to find out how much he paid:

1. You need more than three coins to make this amount.
2. There would be change when using the most valuable coin to buy them.
3. The crisps cost more than 50p.
4. You could pay without using any copper coins.
5. The ice cream costs exactly twice as much as the crisps.

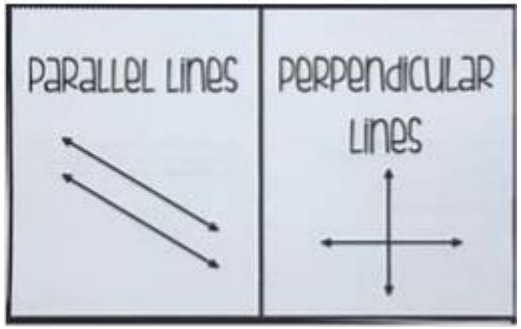
Right angles

http://www.primaryresources.co.uk/maths/mathsE7.htm

Make a Right Angle Eater (take a circle, fold it in half and then half again, open up the circle and cut one of the quarters out. This should be a 90 degree 'mouth')



Use your angle eater to investigate where two straight lines meet on objects in your home. Can you find right angles in your home? Can you find angles that are smaller than a right angle or larger than a right angle

Finding the perimeter Work out the perimeter of the different rooms in your house. Which is the biggest room? Which is the smallest room? Which room was the hardest to calculate the perimeter for? https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h	**Identify parallel and perpendicular lines** Google horizontal, vertical, parallel and perpendicular lines. https://www.youtube.com/watch?v=A09rmiT89MA  Can you describe what these are to your grown up? Can you find examples of these types of lines around your home? What types of objects do not have parallel lines? Why might you think this is?