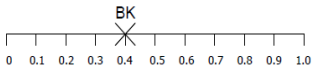
St Paul's

Supporting Maths At Home ~ Year 6 ~ Curriculum Links ~ Spring Term

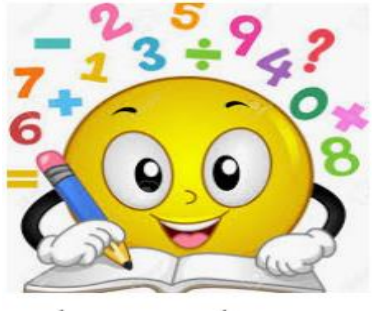
Fractions & Decimals

Three in a row

For this game you need a calculator.
Draw a line like this:



- Take it in turns to choose a fraction, say $^2/_5$. Use the calculator to convert it to a decimal (i.e. 2 ÷ 5 = 0.4) and mark your initials at this point on the line.
- The aim of the game is to get 3 crosses in a row without any of the other player's marks in between.
- Some fractions are harder to place than others, e.g. ninths.



Measures

- Weight/Capacity ~ Cook with your children. Ask them to read the scales/measuring jug and convert the measurements between litres and millilitres, grams and kilograms.
- Time ~ Ask children questions linked to time. E.g. If we set off on our journey now and it takes 48 minutes, what time will we get there?

Percentages

Sale of the century

- When you go shopping, or see a shop with a sale on, ask your child to work out what some items would cost with:

  50% off
  25% off
  10% off
  5% off

- Ask your child to explain how s/he worked it out.

Shape

- Play guess the 3D shape. Describe a 3D shape by its properties (edges vertices, sides) and see if your child can guess the shape you're describing
- Play 4 quadrant battleships

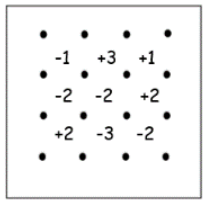
Place Value

Negative Boxes game

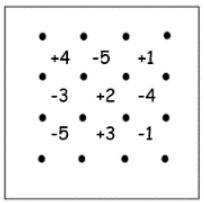
The Rules

This is a two player game.
Each player takes it in turn to join two dots next to each other, in a straight line - No diagonals allowed.
If a player completes a square he/she colours the square in their colour and gets the value written inside the square.
They then get another go.
The winner is the player with the highest score when all boxes are completed.

Game 1



Game 2



Calculation

Favourite food

- Ask your child the cost of a favourite item of food.
  Ask them to work out what 7 of them would cost, or 8, or 9.
  How much change would there be from £50?
- Repeat with his / her least favourite food.
  What is the difference in cost between the two?

Ratio and Proportion

Recipes

Find a recipe for 4 people and rewrite it for 8 people, e.g.

4 people	8 people
125g flour	250g flour
50g butter	100g butter
75g sugar	150g sugar
30ml treacle	60ml treacle
1 teaspoon ginger	2 teaspoons ginger

Can you rewrite it for 3 people? Or 5 people?

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Supporting Maths At Home ~ Year 6 ~ Just for fun...

Useful Websites

Online games and videos to enhance Maths learning at home

- http://www.amathsdictionaryforkids.com/
- http://mathszone.co.uk/
- https://www.bbc.co.uk/bitesize/subjects/z826n39http://www.primaryhomeworkhelp.co.uk/maths/
- https://mathsframe.co.uk/
- https://nrich.maths.org/primary
- http://www.crickweb.co.uk/ks2numeracy.html
- https://www.topmarks.co.uk/maths-games/7-11

Four in a line

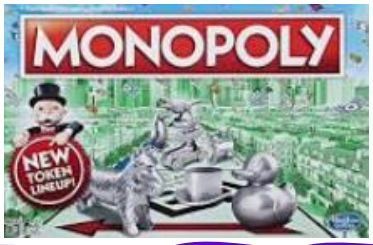
Draw a 6 x 7 grid.
Fill it with numbers under 100.

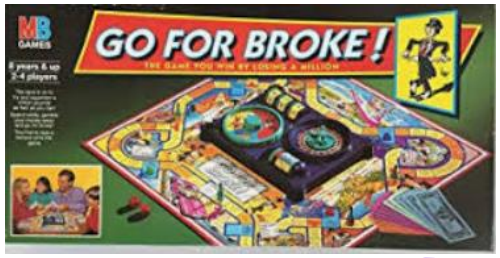
26	54	47	21	19	5	38
9	25	67	56	31	49	13
39	41	6	1	75	28	90
14	50	81	23	43	4	37
45	29	72	34	7	58	17
36	2	55	11	22	40	42

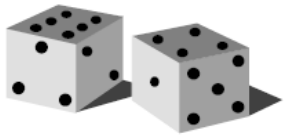
- Take turns.
- Roll three dice, or roll one dice three times.
- Use all three numbers to make a number on the grid.
- You can add, subtract, multiply or divide the numbers, e.g. if you roll 3, 4 and 5, you could make 3 x 4 – 5 = 7, 54 ÷ 3 = 18, (4 + 5) x 3 = 27, and so on.
- Cover the number you make with a coin or counter.
- The first to get four of their counters in a straight line wins.

Play Board Games

- Ludo
- Cluedo
- Guess Who
- Shut the Box
- Monopoly
- Go for broke







Doubles and trebles

- Roll two dice.
- Multiply the two numbers to get your score.
- Roll one of the dice again. If it is an even number, double your score. If it is an odd number, treble your score.
- Keep a running total of your score.
- The first to get over 301 wins.