

Recommended Websites

www.amblesideprimary.com/ambleweb/mentalmaths/subtractiontest.html

www.ictgames.com/countonconvict.html

www.bbc.co.uk/skillswise/numbers/measuring/money/flash2.shtml

<http://www.primarygames.co.uk/bbug1/bugcodres.html>

www.primarygames.co.uk/pg2/bug2/bug2.html

www.primarygames.co.uk/pg2/sumsense/summulti.html

www.multiplication.com/interactive/quickflash/flash/index.html

<http://pbskids.org/cyberchase/games/equivalentfractions/equivalentfractions.html>

www.ictgames.com/equivalence.html

www.innovationslearning.co.uk/subjects/maths/activities/year3/symmetry/shape_game.asp

www.crick.northants.sch.uk/Flash%20Studio/cfsmaths/angle/angle.html

MyMaths

Year 6 ACE Guide to Helping with Maths at Home

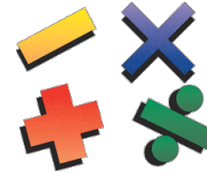


Ideas for you at home

- 'Multiplication Dice' is a great, simple game. Simply roll two dice, asking your child to multiply the numbers together. This can be played as a game, whereby two children see who answers quickest (for a point). Dice with up to 19 sides can be purchased (alternatively stick larger numbers onto your existing dice, or make one).
- 'Shopping List' is a game which can be used for any of the number operations. All you need is a recent till receipt. Ask your child questions such as; 'how much would 27 oranges cost?', 'how many Mars Bars could I buy with £5?', 'what's the difference between roast lamb and a can of beans?'
- 'Millionaire'. You've guessed it, your family has won £1m on the lottery. Detail how you will spend it, showing all the maths down to the final penny!!
- 'Garden Maths'. Ask your child to calculate the area or perimeter of your garden (tell them you want to get quotes to turn it into a football pitch or adventure playground).
- Times table facts are so important! One member of staff used to have the tables written out on the back of the toilet door, whilst others were encouraged to learn them through bribery and corruption. Either way, it's important for lots of pupils to be able to answer questions off the top of their heads, rather than chanting through them or counting up.

- 'Divide Them Marbles'. Division of any item where you own lots of them is good for practicing (marbles, beads, buttons, teddy bears, sweets, peanuts etc).

Year 6 Objectives



1	Use negative numbers to calculate intervals across zero
2	Divide numbers using long division, interpreting the remainders as appropriate
3	Use order of operations to carry out calculations
4	Use common factors to simplify fractions
5	Compare and order fractions of any size
6	Add and subtract fractions with different denominators and mixed numbers
7	Multiply simple pairs of proper fractions
8	Divide proper fractions by whole numbers
9	Calculate decimal fraction equivalents for simple fractions
10	Multiply a number with up to two decimal places by whole numbers
11	Use written division with answers of up to two decimal places
12	Solve problems involving the calculation of percentages
13	Recall and use equivalences between fractions, decimals and percentages
14	Solve problems using ratio using multiplication and division facts
15	Solve problems involving similar shapes where the scale factor is known
16	Solve problems involving proportion, using knowledge of fractions and multiples
17	Use simple formulae
18	Generate and describe linear number sequences
19	Express missing number problems algebraically
20	Convert units of measure between smaller and larger units
21	Convert between miles and kilometres
22	Calculate the area of parallelograms and triangles
23	Calculate and compare volume of cubes and cuboids
24	Illustrate and name parts of a circle
25	Finding missing angles in triangles, quadrilaterals and regular polygons
26	Recognise vertically opposite angles and find missing angles
27	Describe positions on the full co-ordinate grid
28	Translate shapes on a co-ordinate grid and reflect in the axes
29	Construct and interpret pie charts
30	Calculate the mean as an average