

Recommended Websites

www.woodlands-junior.kent.sch.uk/maths/

<http://mathematics.hellam.net/>

www.playkidsgames.com

www.primarygames.com/math.htm

www.oswego.org/ocsd-web/games/mathmagician/cathymath.html

www.cadburylearningzone.co.uk/maths/index_content.htm

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

www.athena.bham.org.uk/money1.htm

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

www.lgfl.net/lgfl/leas/enfield/schools/southbury/web/mw/short%20multiplication/3x1contents.swf

www.lgfl.net/lgfl/leas/enfield/schools/southbury/web/mw/x10%20x100/x10%20x100.swf

MyMaths

Year 4 ACE Guide to Helping with Maths at Home



Ideas for you at home

- 'Big Number, Small Number'. Create a set of number cards (0-9). Let your child pick a card. They must decide whether to use that as their 'hundred', 'ten' or 'unit'. In turn you then take a card, selecting it to be your 'hundred', 'ten' or 'unit'. In total six cards will be selected (3 each). The winner is the person with the largest number. Alternatively you could target a small number!
- 'The Great Dice Challenge'. Write down a 3 digit number (not ending in zero). Your child has to roll a dice. Whatever number they roll they must multiply by 10, then add this to your number. Alternatively, 'multiples of 10' could be replaced by any other number.
- 'Subtraction Against The Clock!' Give your child a starting number (such as 1000). As soon as they first roll the dice begin timing them. The first roll gives the child a number to subtract (mentally) from the start number. Repeat. How quickly can the child get down to another set number (900)?
- Choose a start number (say 7). Ask your child to double it (14). Then you double their answer (28). Repeat. Whoever says a 3-digit number first is the winner.
- On a piece of paper write down a number (say 16). How many multiples of this number can your child record in one minute (32, 160, 320, 3200, etc, etc)?

Year 4 Objectives

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| 1 | Count backwards through zero, including negative numbers |
| 2 | Recognise place value in four-digit numbers |
| 3 | Round any number to the nearest 10, 100 or 1000 |
| 4 | Know tables up to 12×12 |
| 5 | Use place value and number facts to carry out mental calculations |
| 6 | Use factor pairs and commutativity in mental calculations |
| 7 | Use short multiplication method |
| 8 | Recognise and use hundredths |
| 9 | Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ |
| 10 | Divide one- or two-digit numbers by 10 and 100, using tenths and hundredths |
| 11 | Round decimals with one decimal place to the nearest whole number |
| 12 | Compare numbers up to two decimal places |
| 13 | Convert between different units of metric measurement, including money |
| 14 | Find the area of rectilinear shapes by counting squares |
| 15 | Solve problems converting units of time |
| 16 | Compare and classify shapes, including quadrilaterals and triangles |
| 17 | Complete a simple symmetric figure with respect to a specific line of symmetry. |
| 18 | Describe positions on a 2-D grid using co-ordinates |
| 19 | Describe translations using a given unit to the left/right and up/down |
| 20 | Interpret and present discrete and continuous data on appropriate graphs |

