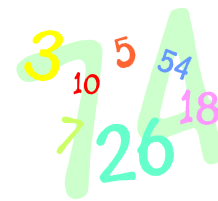


Dear Parents,

Here are a few ideas to reinforce your child's maths learning at home. A few questions on one of the following topics a few times a week is all that's needed - perhaps while you're driving along in the car, or cooking tea - I'm not suggesting long pencil and paper sessions!



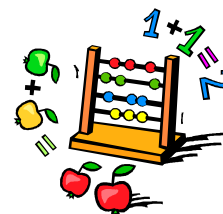
One of our recurring topics is one more than, one less than. We encourage the children to think of the 100 square. Your child's teacher will provide you with one of these. They then look for the number one back, or one forwards. Alternatively, they may count backwards or forwards. Once they are confident with this, we move on to 10 more than, and 10 less than. We encourage the children to find the pattern of looking above or below the number to find 10 more or less than their starting number.

We also do lots of work on number bonds. The children are challenged to find as many ways as they can to make 5, 6, 7, 8, 9, or 10.

Two common things they forget are -

to reverse ways (e.g. $3+2=5$, so another way is $2+3=5$) and

to include 0 (e.g. $5+0=5$, and $0+5=5$)



Another topic we work on often is that of money. A lot of children get muddled about which coins actually exist - they will suggest using a 7p coin for example. So appropriate questions would be along the lines of 'How much is 5p and 3p? What coins could you use to make that?'

'One apple is 5p. How much for 2 apples? What coins could you give the shopkeeper?'

'I buy a banana costing 7p. I pay with a 10p coin. How much change will I get? What coins might my change be?'

With practice, your children will probably start finding these questions easy - in which case, up the stakes a little! Can they find ways to make 20? How much change would they get from a 20p, or a 50p coin? Ask them to add three amounts together instead of 2. What coins would they need to pay?

Thank you again for your support - it really is invaluable to your children, and the results do show in the classroom.

Ms Fennell

Maths Games - Website List

KS1 & KS2 – All sorts

www.ictgames.com/resources.html - Lots of different games to choose from

- <http://www.numbergym.co.uk> - Lots of different activities
- <http://www.bbc.co.uk/schools/numbertime/games/index.shtml> - Variety of games
- http://www.bbc.co.uk/schools/websites/4_11/site/numeracy.shtml - Links to all the BBC children's maths websites
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/> - A selection of more complex mathsgames and activities
- <http://www.bbc.co.uk/education/mathsfile/gameswheel.html> - Harder maths games – upper KS2
- <http://www.abc.net.au/countusin/default.htm> - A selection of maths games
- <http://www.bbc.co.uk/education/dynamo/den/dynamake/make.shtml> - Variety of games
- <http://www.topmarks.co.uk> – variety of games
- <http://www.wmnet.org.uk/resources/gordon/Hit%20the%20button%20v9.swf> – tables, doubling, halving and number bonds
- <http://www.woodlands-junior.kent.sch.uk/index.htm> - variety
- <http://www.mathszone.co.uk/> - variety
- <http://www.mathplayground.com/> - variety
- <http://www.coolmath4kids.com/> - variety
- <http://nrich.maths.org/public/> - problem solving, logic and higher order thinking problems

Data Handling

- http://www.ngflcymru.org.uk/vtc/carroll_diagrams/eng/introduct/default.htm - Basic Carroll diagrams
- <http://www.bbc.co.uk/skillswise/numbers/handlingdata/> - Upper KS2 data handling

KS1 – Doubling and Halving

- <http://www.ictgames.com/woodcards.html> - Doubling two digit numbers
- <http://www.ictgames.com/woodseasy.html> - Doubling two digit numbers
- <http://ngfl.northumberland.gov.uk/maths/num%20machine/halver.html> - Can you beat the machine. Input your own number and then think of what half is before the machine tells you

KS1 - Addition

- <http://www.bbc.co.uk/schools/laac/numbers/ch1.shtml> - Addition using ladybird spots and numbers
- <http://www.ictgames.com/5andabit.html> - Partitioning into 5 and a bit to add 6,7 or 8
- <http://www.ictgames.com/spacejumps.html> - Bridging 10
- <http://ngfl.northumberland.gov.uk/maths/num%20machine/add1.html> - Adding 1 – one more! A ‘beat the machine’ activity
- <http://ngfl.northumberland.gov.uk/maths/num%20machine/add2.html> - Adding 2 – two more! A ‘beat the machine’ activity
- <http://ngfl.northumberland.gov.uk/maths/num%20machine/add5.html> - Adding 5 – five more! A ‘beat the machine’ activity
- <http://ngfl.northumberland.gov.uk/maths/num%20machine/add10.html> - Adding 10 – ten more! A ‘beat the machine’ activity
- <http://www.ictgames.com/funkymum.html>

Number bonds to 20

- <http://www.ictgames.com/ufo.html> - Adding 5
- <http://www.ictgames.com/100huntplus10.html> - Adding 10 with a 100 square to support
- <http://www.ictgames.com/submarinenopad2.html> - Adding 10 (game for 2 players)
- <http://www.ictgames.com/fairy2.html> - Adding 9
- <http://www.ictgames.com/100huntadd9.html> - Adding 9 with a 100 square to support
- <http://www.ictgames.com/100huntadd11.html> - Adding 11 with a hundred square to support
- <http://www.ictgames.com/technowithflock.html> - Adding two digit numbers
- <http://www.prongo.com/mathtwo/game.html> - Mental addition game – 1 and 2 digit number

KS1 - Subtraction

- <http://ngfl.northumberland.gov.uk/maths/num%20machine/take1.html> - Subtracting 1 – beat the machine!
 - <http://ngfl.northumberland.gov.uk/maths/num%20machine/take2.html> - Subtracting 2 – beat the machine!
 - <http://ngfl.northumberland.gov.uk/maths/num%20machine/take5.html> - Subtracting 5 – beat the machine!
 - <http://ngfl.northumberland.gov.uk/maths/num%20machine/take10.html> - Subtracting 10 – beat the machine!
 - <http://www.sums.co.uk/playground/c1a/playground.htm> - Subtraction 1-10 or 1-20 with pictures and clues
 - <http://www.ictgames.com/100huntminus11.html> - Subtracting 11 with a hundred square
 - <http://www.ictgames.com/countonconvict.html> - Counting on to calculate the difference (2digit numbers)
 - <http://www.amblesideprimary.com/ambleweb/mentalmaths/subtractiontest.html> - Subtraction test – various levels of difficulty Counting and Place Value
 - <http://www.ictgames.com/postletter.html> - Recognise numbers 10 and above
 - <http://www.primaryonline.co.uk/sitetour/pol/blastoff1.html> - Numbers and words to 20
 - <http://www.abc.net.au/countusin/games/game3.htm> - Counting to 20
 - <http://www.sums.co.uk/playground/n2a/playground.htm> - Number names to 100
 - http://www.lancsngfl.ac.uk/curriculum/literacy/lit_site/lit_sites/number_vocab/index.htm - Match numbers to words
- Money
- <http://www.ictgames.com/moneypayer.html> - Coins to 20p
 - <http://www.ictgames.com/moneypayer50p.html> - Paying to 50p
 - <http://www.bbc.co.uk/skillswise/numbers/measuring/money/> - BBC money games and activities

KS2 – Addition

- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/addsubtract/mental/flash3.shtml> - Adding two digit numbers
 - <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/addsubtract/mental/flash9.shtml> - BBC conveyor belt game.
- Problem solving
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/addsubtract/mental/flash7.shtml> - BBC conveyor belt game.
- Problem solving
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/addsubtract/written/game.shtml> - Written 2 and 3 digit addition
- KS2 - Subtraction
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/addsubtract/written/game.shtml> - Written 2 and 3 digit subtraction
 - <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/addsubtract/mental/game.shtml> - A range of mental subtraction games
 - <http://www.amblesideprimary.com/ambleweb/mentalmaths/subtractiontest.html> - Subtraction test – various levels of

difficulty

KS2 – Multiplication

- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/timestables/> - Times tables
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/mental/> - Mental multiplication
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/written/> - Written multiplication methods
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/multiplication/problemsolving/> - Problem solving with multiplication
- <http://www.bbc.co.uk/skillswise/numbers/wholenumbers/whatarenumbers/multiplesandfactors/index.shtml> - Multiples and Factors
- <http://www.multiplication.com/students.htm> - Strategies to support multiplication and multiplication games
- <http://www.ictgames.com/spitfireufo.html> - Move the plan to shoot the answer to the given question
- <http://www.amblesideprimary.com/ambleweb/mentalmaths/testtest.html> - Table Tester

Decimals, fractions and percentages

- <http://www.bbc.co.uk/skillswise/numbers/fractiondecimalpercentage> - A wide range of activities and games
- <http://www.amblesideprimary.com/ambleweb/mentalmaths/fractotron.html> - More or less than half
- <http://www.sums.co.uk/playground/n6a/playground.htm> - Equivalent fractions – hanging monkeys on a line!
- <http://www.mathsyear2000.org/games/circus/pairs.html> - Identifying equivalent fractions
- <http://www.freewebs.com/weddel/Equiv%20Fractions%20Contents.html> - Equivalent fraction games
- <http://www.crickweb.co.uk/assets/resources/flash.php?&file=washindex6> - Ordering decimals – clothes on a washing line
- <http://www.bbc.co.uk/education/mathsfile/shockwave/games/laddergame.html> - Ordering decimals – including negative decimals

