Adding and Subtracting 9

To add on 9, the easy method is to add on 10 then take 1 away

E.g. 234 + 9 = ?
becomes 234 + 10 = 244
becomes 244 – 1 = 243

To subtract 9, the easy method is to subtract 10 then add on 1

E.g. 376 – 9 = ?
becomes 376 – 10 = 366
becomes 366 + 1 = 367

These strategies can then be extended for adding/subtracting 19, 29, 39 etc.

Children respond to activities that involve active learning in a real context. Interacting with your child by talking about maths or playing games is very worthwhile. Numbers are everywhere, on buses, on telephones, on money etc. The following suggestions can involve you and your child informally in maths activities, and make their learning enjoyable.

Some games to support mathematics are Snakes and ladders, Dominoes, Playing cards, Bingo, Connect 4 and Yahtzee.

The learning process can increasingly involve the use of computers. The following websites offer children practice and extension in using their maths skills.

www.sumdog.com
www.funbrain.com/kidscenter.html
www.aaamath.com
www.primarygames.com/arcade/minigolf/index.htm
http://www.bbc.co.uk/education/mathsfile/index.shtml

Applegrove Primary Mental Maths

Second Level

P5 – P7

Addition & Subtraction

Methods of mental calculation are vital in helping children to understand number and use it well. Regular oral and mental work develops children's calculation strategies and recall skills.

Curriculum for Excellence Numeracy Targets

I can use my knowledge of rounding to routinely estimate the answer to a problem then, after calculating, decide if my answer is reasonable, sharing my solution with others. **MNU 2-01a**
Having determined which calculations are needed, I can solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others. **MNU 2-03a**

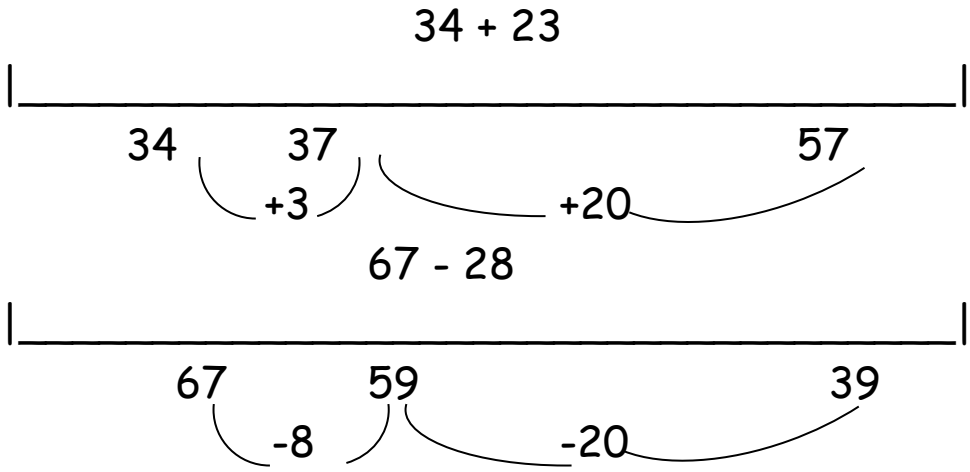
Activities

- Play 'BINGO' but instead of just calling the numbers, call them in the form of a mental adding or subtracting sum.
- Ask your child to calculate the change from £10 after you have been to the shops, or have paid for a meal out.
- Play darts, and ask your child to mentally keep the score.
- Look at the winning lottery numbers and add them together mentally.
- Choose the telephone numbers of known relatives and add them or subtract them. E.g. Add Gran's phone number to our phone number.
- Play mental maths games to add or subtract multiples of 10 and 100. Include examples which 'bridge ' 100. E.g. 80 + 40 = 120

Mental Strategy Examples

Show the steps the children would go through while thinking this through.

Empty number line



Near Doubles:
35 + 37 = ?
becomes 35 + 35 = 70
becomes 70 + 2 = 72
therefore 35 + 37 =72

Tidying numbers :

28 + 14 = ?
becomes 28 + 2 = 30 (14-2 = 12)
becomes 30 + 12 = 42

83 – 29 = ?
becomes 29 + 1 = 30
becomes 83 – 30 = 53
becomes 53 – 1 = 52

Partitioning:

48 + 69 = ?
becomes 40 + 60 = 100
8 + 9 = 17
100 + 17 = 117
Therefore 48 + 69 = 117

94 – 37 = ?
becomes 94 – 30 = 64
64 – 7 = 57
Therefore 94 – 37 = 57