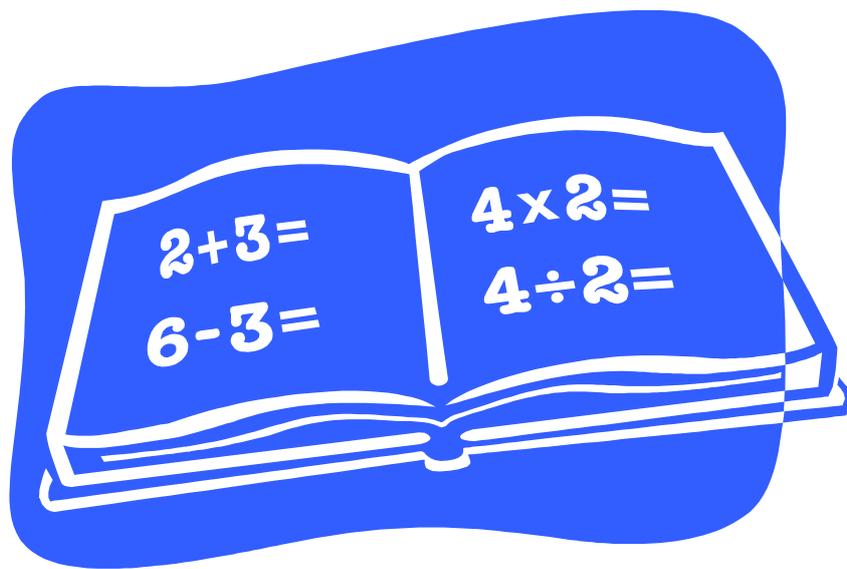


Helping Your Child With Maths at Home



KS1

USE OF MENTAL STRATEGIES

At Key Stage 1 a lot of time is spent reinforcing number bonds to 10 and 20, so that children know how numbers are made up - so that 7 + 3 make 10 and 17 + 3 make 20.

Strategies for teaching mental addition include:

❖ Putting the largest number first:

$6 + 38$ is the same as $38 + 6$. Start at 38 and count on in ones

$30 + 60$ is the same as $60 + 30$. Start at 60 and count on in tens

❖ Partitioning:

$$14 + 25 = (10 + 4) + (20 + 5)$$

$$(10 + 20) = 30$$

$$(4 + 5) = 9$$

The answer is 39

❖ Compensation:

$$17 + 9 = 17 + 10 - 1 = 26$$

$$26 + 11 = 26 + 10 + 1 = 37$$

❖ Doubles or near doubles:

$$8 + 8 = 16$$

$$\text{so } 8 + 9 = 8 + 8 + 1 = 17$$

❖ Bridging through 10, 20 etc.

$$8 + 7 = (8 + 2) + 5$$

$$10 + 5 = 15$$

$$15 + 9 = (15 + 5) + 4$$

$$20 + 4 = 24$$



Examples



SHOPPING



- £ Looking at prices
- £ Calculating change (coins up to 50p) - which coins, different combinations.
- £ Weighing fruit and vegetables in the supermarket.
- £ Counting pocket money.
- £ Reading labels on bottles, packets, in order to discuss capacity, weight, shape and colour.

TIME

- ⌚ Looking at the clock - identify the numbers telling the time using analogue and digital clocks (o'clock, half past, quarter to/past the hour)
- ⌚ Using TV guide to calculate the length of programmes.
- ⌚ Looking at the posting times on the post box.
- ⌚ Discussing events in the day e.g. teatime, bed time, bath time.



SEQUENCING

- The main events of the day;
- Routines and what comes next;
- The parts of a recipe, set of instructions;
- Getting dressed;
- Tying shoe laces;

MEASUREMENT

- Calculating heights of family members - who is the tallest?
- Measuring weights of ingredients for baking;
- Estimating the quantity of milk in the carton;
- Estimating and measuring length of objects, e.g. a book



- Weigh your child on the bathroom scales

WEB SITES

- 🔗 www.counton.org has lots of ideas and games to play.
- 🔗 www.learn.co.uk help for all children with reading, maths and revision.
- 🔗 www.bbc.co.uk/schools games to play and links to many subjects.
- 🔗 <http://www.mathszone.co.uk/> games for children at all ages
- 🔗 www.funbrain.com educational games including number
- 🔗 www.funwithspot.com interactive games for KS1
- 🔗 www.ladybird.co.uk counting matching games
- 🔗 www.ictgames.co.uk maths games

NUMBER GAMES

- ◎ Skipping - every skip count 2, 3, 4 etc.
- ◎ Hop scotch
- ◎ Snakes and ladders
- ◎ Dominoes
- ◎ Cards - number sequences
- ◎ Cards - Rummy, Patience, Pontoon, Snap
- ◎ Bingo
- ◎ Darts
- ◎ Heads & Tails and keep a tally
- ◎ Chess and draughts
- ◎ Monopoly
- ◎ Computer programmes
- ◎ Beetle
- ◎ Connect 4
- ◎ Counting games to practise times tables
- ◎ I spy a number in town, on a journey
- ◎ Number jigsaws
- ◎ Number Lotto
- ◎ Dot to dot with numbers
- ◎ Skittles
- ◎ Happy families



© Number crosswords, dot to dot, puzzles

POINTS TO REMEMBER

- **DO** 'little and often!' Counting eggs while cooking or stairs when going up to a first floor flat is a much better way of rehearsing counting than sitting over a workbook.
- **DO** give LOTS of praise. Resist the temptation to say, 'but' or to point out mistakes every time.
- Help them memorise their number facts and perform mathematical calculations in their heads.
- **DON'T** push a skill, especially if a child is becoming confused or is feeling pressured. It always pays to talk to the teacher if you feel your child does not understand something.
- Play games! Dice, dominoes, track games and cards all make excellent excuses for using and applying our number skills. And at the same time your child is learning the important skills of losing with grace and winning with style!
- Be careful with written methods you used to learn as a child! The methods used at school might be different to the ones you know.
- Remember that your time and attention is a far more important and pleasurable than any amount of TV or video game activity. Every child wants to be doing things with their loved ones.