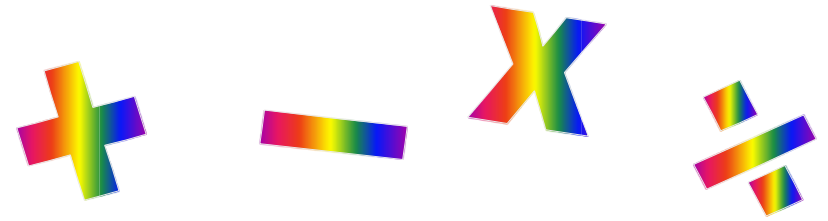


Make maths
fun!!



Give your child lots of
praise and encouragement!



Helping
your child
with maths



CALCULATION

The maths work your child is doing at school may look very different to the kind of 'sums' you remember. This is because children are encouraged to work mentally, where possible, using personal jottings to help support their thinking. Even when children are taught more formal written methods (from late year 3 onwards), they are only encouraged to use these methods for calculations they cannot solve in their heads.

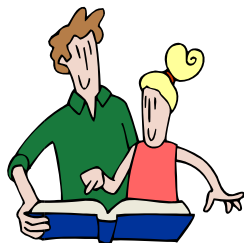
However, they use practical apparatus initially.



Discussing the efficiency and suitability of different strategies is an important part of maths lessons.

Talk to your child about how you work things out.

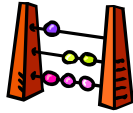
Ask your child to explain their thinking.



SHAPES AND MEASURES

- ❖ Choose a shape of the week e.g. cylinder.
- ❖ Look for this shape in the environment (tins, candles etc). Ask your child to describe the shape to you (2 circular faces, 2 curved edges..)
- ❖ Play 'guess my shape'. You think of a shape. Your child asks questions to try to identify it but you can only answer 'yes' or 'no' (e.g. Does it have more than 4 corners? Does it have any curved sides?)
- ❖ Hunt for right angles around your home. Can your child also spot angles bigger or smaller than a right angle?
- ❖ Look for symmetrical objects. Help your child to draw or paint symmetrical pictures / patterns?
- ❖ Make a model using boxes/containers of different shapes and sizes. Ask your child to describe their model.
- ❖ Practise measuring the lengths or heights of objects (in metres or cm). Help your child to use different rulers and tape measures correctly. Encourage them to estimate before measuring.
- ❖ Let your child help with cooking at home. Help them to measure ingredients accurately using weighing scales or measuring jugs. Talk about what each division on the scale stands for.
- ❖ Choose some food items out of the cupboard. Try to put the objects in order of weight, by feel alone. Check by looking at the amounts on the packets.
- ❖ Practise telling the time with your child. Use both digital and analogue clocks. Ask your child to be a 'timekeeper' (e.g. tell me when it is half past four because then we are going swimming).
- ❖ Use a stop clock to time how long it takes to do everyday tasks (e.g. how long does it take to get dressed?).
- ❖ Encourage your child to estimate first.

PRACTISING NUMBER FACTS



- Find out which number facts your child is learning at school (addition facts to 10, times tables, doubles etc). Try to practise for a few minutes each day using a range of vocabulary.
- Have a 'fact of the day'. Pin this fact up around the house. Practise reading it in a quiet, loud, squeaky voice. Ask your child over the day if they can recall the fact.
- Play 'ping pong' to practise complements with your child. You say a number, they reply with how much more is needed to make 10. You can also play this game with numbers totalling 20, 100 or 1000. Encourage your child to answer quickly, without counting or using fingers.
- Throw 2 dice. Ask your child to find the total of the numbers (+), the difference between them (-) or the product (x).
Can they do this without counting?
- Use a set of playing cards (no pictures). Turn over two cards and ask your child to add or multiply the numbers. If they answer correctly, they keep the cards. How many cards can they collect in 2 minutes?
- Play Bingo. Each player chooses five answers (e.g. numbers to 10 to practise simple addition, multiples of 5 to practise the five times tables). Ask a question and if a player has the answer, they can cross it off. The winner is the first player to cross off all their answers.
- Give your child an answer. Ask them to write as many addition sentences as they can with this answer (e.g. $10 = \square + \square$). Try with multiplication or subtraction.
- Give your child a number fact (e.g. $5+3=8$). Ask them what else they can find out from this fact (e.g. $3+5=8$, $8-5=3$, $8-3=5$, $50+30=80$, $500+300=800$, $5+4=9$, $15+3=18$). Add to the list over the next few days. Try starting with a x fact as well.

When faced with a calculation problem, encourage your child to ask...

- ⑥ Can I do this in my head?
- ⑥ Could I do this in my head using drawings or jottings to help me?
- ⑥ Do I need to use a written method?



Also help your child to estimate and then check the answer. Encourage them to ask...

Is the answer sensible?

