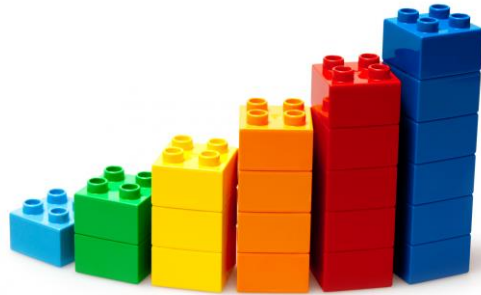




Early years

- Number spotting. Number recognition. Doors, buses – shout out every time you see a number in the environment.
- Number treasure hunt. Hide numbers around the house, children find them.
- Towers. Make them out of cups or play bricks. Count them each and find out who can make the tallest.
- Sing number songs like “5 little speckled” frogs”



5 – 7 years

- Make up simple little calculations together and pretend you have the answer wrong. Let them teach you what you did wrong.
- Learn and make up songs with numbers in them.
- Count forward and backwards within 20 from any starting point, then try with 100.
- Encourage learning to tell the time by making reference to time at key points in the day. “It’s 6 o’clock, time for dinner”



8 – 11 years

- Practise and play games to help memorise times tables to 12 x 12 and their corresponding division facts.
- Practise and memorise number bonds to 10, 20, 100, and 1000.
- Tell the time on a regular clock.
- Do an activity for 1 minute. How long did it feel?
- Find out what an hour is. What kind of things can you do in an hour?
- Walk for a mile. How long does it take you? Can you work out how many miles per hour you walk? When you find your rate, work how long it would take you to walk to Torrington etc.
- How many kms can walk in an hour? How does it compare to the mile?
- Play board games together that involve logic and reasoning skills
- Play dice and card games that involve addition, subtraction, multiplication and division. For example- the card game 21, the dice game yahtzee



ALUMNIS

FUN &

FUNDAMENTALS

IDEAS TO HAVE

FUN WITH MATHS

AT HOME

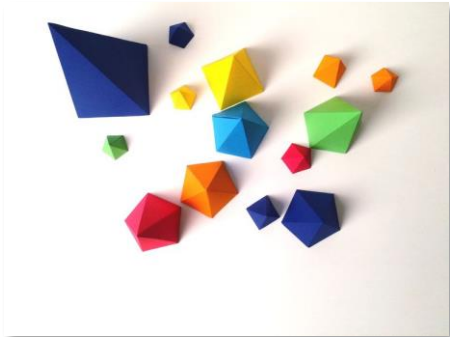


PRACTICE

MAKES PERMANENT

1. When practising times tables, counting numbers or doing some mental addition or subtraction, 5 or 10 minutes each day is better than an hour once a week. It will help your child remember what they have been learning or practising.
2. When counting, count forwards then count backwards.
3. When counting in 5s, start from a different number sometimes. E.g. start with 3 and count in 5s. What happens to the numbers as you count? Can you see a pattern? Does this happen if you start from a different number?
4. Don't just ask questions like 3×6 , 4×2 . Also ask questions such as 'How many 3s are there in 9? How many 5s are there in 25?'
5. Number of the day – choose a tricky fact that your child just can't remember and make that the fact of the day. E.g. $7 \times 8 = 56$ Ask the question at different times during the day; write it down on a big piece of paper and stick it up in their bedroom so they see it before bed and in the morning. Draw the numbers in a picture, perhaps as characters.
6. If they can't remember a number fact, prompt them to use one they do know to work it out quickly. E.g. if they don't know 6×7 , use $5 \times 7 = 35$ and just add on another 7 to get to 42.

Websites
to take
you
further: try
any of
these



<https://nrich.maths.org/>

[23 Math Card Games Students and Teachers Will Love](#)

[KS2 Teacher Playing with Dice Collection](#)

<https://www.youcubed.org/resources/many-ways-see-mathematics-video/>

https://www.youtube.com/watch?v=7FjZ_JW2WCw

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.timestables.co.uk/>

<https://www.theschoolrun.com/times-tables>

<https://mathsbot.com/starters/multiplicationGrids>

[Multiplication Tables Check - Mathsframe](#)

[Coconut Multiples - Reinforce Times Tables \(topmarks.co.uk\)](#)

[Arithmetic 1.0.24 \(colorado.edu\)](#)

ESPECIALLY FOR NURSERY & RECEPTION CHILDREN

- Sing number rhymes, including ones that count backwards.
- Encourage children to count apples, bananas into a bag when shopping etc. Will we have enough? Discuss the cost of different products.
- Ask children to lay the dinner table. How many place mats, knives and forks do we need?
- Look for numbers in the environment, e.g. on front doors, road signs, telephones, remote controls etc.
- Cook and bake together. Weigh the ingredients, count the cupcake cases, keep an eye on the time etc.
- Count objects in the environment, e.g. birds in the tree, flowers in the hedge, number of steps etc.
- Go on shape hunts.
- Play board games, particularly ones with linear, numbered, equal-sized spaces such as Snakes and Ladders
- Tidy up and sort toys into different containers.
- Help with recycling. How will we sort the containers? What shape are they?
- Look for opportunities for mathematical discussions in story books.
- Use mathematical vocabulary where possible, e.g. comparing the size of toys during play, comparing the quantity of foods at snack time, the length of worms in the garden, and the capacity of containers at bath time.
- Time how long it takes to walk or drive to a friend's, the beach, school?
- Watch or play sports. What is the score? What if they get one more goal? Who is winning?
- Help sort the laundry. Match the socks and organise clothes into colours or trousers/shirts etc.
- Play Simon Says, e.g. jump 5 times, clap 3 times etc.
- How many coins do you have? How much do you need to buy the magazine? Do you have enough? Will you need change?

