

Fun Activities to Try At Home:

- ⇒ Challenge your child to find telephone numbers in a newspaper or telephone directory that add up to a given number. Find as many as possible in ten minutes.
- ⇒ Use a tape measure to measure the length of different items in the house. Record the length in metres and centimetres.
- ⇒ Play mini bingo games using times tables to 12.
- ⇒ Say a two-digit number and use it as a 'Launchpad' to jump forwards or backwards in tens.
- ⇒ Each draw 10 circles. Write a different two-digit number in each circle but not a 'tens' number (10,20,30,40 etc.). In turn, choose one of the other players' numbers. The other player must then say what must be added to the number to make 100. If he/she is correct, the number chosen is crossed out. The first to cross out six numbers wins.
- ⇒ Put some dominoes face down. Each choose a domino and multiply the two numbers on it. Whoever has the biggest answer keeps the two dominoes. The winner is the person who has the most dominoes when they have all been used.
- ⇒ When out and about, choose three digits from a car's number plate. Make a subtraction calculation using these numbers. Work it out in your head. Score a point if you're correct.

A Booklet for Parents

Help your child to achieve an excellent understanding of Mathematics:

Year 4



Together we care, inspire
and achieve excellence

Year 4 Skills and Expectations

Here is a selection of skills and knowledge expectations which you could practise at home with your child.

- ✓ Count in multiples of 6, 7, 9, 25 and 1000.
- ✓ Find 1000 more or less than a given number.
- ✓ Count backwards through zero, to include negative numbers.
- ✓ Recognise the place value of each digit in a four-digit number (Thousands, Hundreds, Tens, Units).
- ✓ Round numbers (up to 100,000) to the nearest 10, 100 or 1000.
- ✓ Add and subtract numbers with up to four digits using the formal written method.
- ✓ Recall multiplication and division facts up to 12×12 .
- ✓ Mentally, multiply together three single-digit numbers.
- ✓ Multiply 2-digit and 3-digit numbers by a 1-digit number, using formal written method.
- ✓ Round decimals with one-decimal place to the nearest whole number, e.g. round 3.6 to 4, round 2.1 to 2.
- ✓ Compare numbers with the same number of decimal places, up to 2-decimal places.
- ✓ Convert between different units of measurement, e.g. kilometres to metres, hours to minutes and vice versa.
- ✓ Read, write and convert time between analogue and digital, 12- and 24-hour clocks.

Using Maths in everyday life with your child

Here are some suggestions of how you can support your child's learning in maths in day-to-day life:

- Practise reading a scale by using a thermometer to read the temperature. A simple weather station with a thermometer, measuring cup/bottle as a rain gauge and pin-wheel to show wind could be set up in the garden. Keep a log of the amount of rainwater collected.
- Plant some seeds, reading the instructions on the seed packet carefully. Measure the seedlings as they grow.
- Find out who drinks the most in your family at home during a day. Use a measuring jug and record the total amount drunk for each person.
- When out and about, find a number and challenge each other to see who can come up with the most number facts about it. For example for the number 24, you could say: $12 \times 2 = 24$, half of $24 = 12$, $6 \times 4 = 24$, $100 - 76 = 24$ etc.
- Play family games that involve using maths skills: Darts, Monopoly etc.
- Involve children in costing a weekly shop or just one meal. Which items cost the most/least?
- Provide opportunities for your child to buy items when shopping. Encourage them to work out the change they should receive, and to estimate how much the items will cost.
- Carry out different cooking activities together. Double recipes and calculate the amounts needed.
- Encourage your child to wear an analogue watch and frequently ask time-related questions.