



YEAR 3 MATHS EXPECTATIONS

Before students leave Year 3 they should be able to...

PLACE VALUE



- Count from 0 in multiples of 4, 8, 50 and 100
- Find 10 or 100 more or less than a given number
- Recognise the place value of each digit in a three-digit number (hundreds, tens and ones)
- Read, write, compare and order numbers to 1000 (in numerals and words)

HOW TO HELP YOUR CHILD

- Help them learn how to spell numbers as words
- Practise counting forwards and backwards in fours, eights, fifties and hundreds
- Talk about numbers you see in the real world and ask questions such as 'what does that number says?' and 'Is it larger or smaller than...?'

CALCULATING



Addition and Subtraction

- Mentally add and subtract one, ten and a hundred to any three-digit number
- Add and subtract numbers up to three digits with regrouping using the column method

Multiplication and Division

- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- Multiply and divide two-digit numbers by one-digit numbers, using mental and progressing to the column method for multiplication

HOW TO HELP YOUR CHILD

- Practise rapid recall of the 2, 3, 4, 5, 8 and 10 times tables
- Use apps such as '1-minute maths by White Rose Maths' and 'Hit the Button'
- Look at multipacks of products – ask questions like 'if we buy three packs of six bags, how bags will we have altogether?' or 'if we share this packet, how many will we get each?'

MEASUREMENT



- Measure and compare lengths (m, cm, mm), mass (kg, g) and volume/capacity (l, ml)
- Measure the perimeter of simple 2-D shapes

Money

- Add and subtract amounts of money to give change

Time

- Read time to the nearest minute
- Know the number of seconds in a minute and the number of days in each month, year and leap year

FRACTIONS



- Recognise, order and write fractions of shapes
- Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]
- Count in tenths and recognise that tenths arise by division of objects or one-digit numbers into 10 parts

HOW TO HELP YOUR CHILD

- Cook with your child, let them weigh out food and looking at weights and capacities on packaging. Discuss symbols (g, kg, ml, l) and how much of the ingredients are needed for double the quantity
- Help them pay in shops and check change.
- Help your child to read the time on different clocks – digital and analogue
- Look at timetables such as flight lists
- Set timers for activities and ask questions about what the time will be when the timers end

SHAPE, POSITION & DIRECTION



- Recognise common 2-D and 3-D shapes and their properties
- Identify horizontal and vertical lines and pairs of perpendicular and parallel lines

Position and Direction

- Identify acute, obtuse and right angles
- Link turns to right angles (i.e. $\frac{1}{2}$ turn is 2 right angle turns)

STATISTICS



- Interpret and present data using scaled bar charts, pictograms and tables

HOW TO HELP YOUR CHILD

- Identify shapes in the environment.
- Draw 2-D shapes and make 3-D shapes using modelling materials
- Look at weather tables and graphs online and discuss the data
- Read sports tables