



YEAR 4 MATHS EXPECTATIONS

Before students leave Year 4 they should be able to...

PLACE VALUE



- 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, and ones)
- Order and compare numbers beyond 1000 and to two decimal places
- Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value
- Round to nearest ten, hundred, thousand and decimals (1 decimal place) to nearest whole

HOW TO HELP YOUR CHILD

- Count forwards and backwards with different intervals (including decimals, fractions, tenths and hundredths)
- Practise rounding up and down when weighing/measuring or using money
- Look for Roman numerals in the real world on clocks etc.
- Estimate before counting

CALCULATING



Addition and Subtraction

- Add and subtract numbers with up to 4 digits using column methods

Multiplication and Division

- Recall multiplication and division facts for multiplication tables up to 12×12
- Multiply two-digit and three-digit numbers by a one-digit number using the column method
- Add, subtract, multiply and divide mentally using known facts
- Solve problems with the four operations

HOW TO HELP YOUR CHILD

- Practise rapid recall of the times table and division facts
- 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



- Estimate, compare and calculate between different measures, including metric units of length, mass and volume
- Measure and calculate perimeter and area

Money

- Add and subtract amounts of money to give change

Time

- Read, write and convert time between analogue and digital 12- and 24-hour clocks; hours to minutes; minutes to seconds; years to months; weeks to days

FRACTIONS



- Recognise and show common equivalent fractions (including decimal equivalents)
- Count up and down in hundredths
- Add and subtract fractions with the same denominator
- Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
- Count up and down in hundredths

HOW TO HELP YOUR CHILD

- Cook with your child, let them weigh out food and looking at weights and capacities on packaging
- Help them pay in shops and check change
- Help your child to read the time on different clocks – digital and analogue
- Help them learn measurement facts, how many g in a kg, ml in a l, mm in a cm, cm in a m, m in a km

SHAPE, POSITION & DIRECTION



- Compare and classify shapes based on their properties
- Identify lines of symmetry
- Compare, order and identify acute and obtuse angles

Position and Direction

- Describe positions on a 2-D grid as coordinates in the first quadrant and plot polygons using given coordinates
- Describe movements between positions as translations

STATISTICS



- Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

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 other real-life graphs and discuss the data
- Read sports tables