

### **Year 4 Mathematics (Number) Meeting Expectations**

- Recall all multiplication facts to  $12 \times 12$
- Round any number to the nearest 10, 100 or 1000 and decimals with one decimal place to the nearest whole number
- Count backwards through zero to include negative numbers
- Compare numbers with the same number of decimal places up to 2 decimal places
- Recognise and write decimal equivalents of any number of tenths or hundredths
- Add and subtract with up to 4 decimal places using formal written methods of columnar addition and subtraction
- Divide a 1 or 2-digit number by 10 or 100 identifying the value of the digits in the answer as units, tenths and hundredths
- Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout
- Solve addition and subtraction two-step problems in context and solve problems involving multiplication and division
- Solve simple measures and money problems involving fractions and decimals to 2 decimal places

### **Year 4 Mathematics (Measurement, Geometry and Statistics) Meeting Expectations**

- Compare and classify geometrical shapes, including quadrilaterals and triangles, based on their properties and sizes
- Know that angles are measured in degrees and identify acute and obtuse angles and compare and order angles up to two right angles by size
- Measure and calculate the perimeter of a rectilinear figure in centimetres and metres
- Read, write and convert between analogue and digital 12 and 24 hour clocks
- Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs

### **Year 4 Mathematics Securing Expectations**

- Use tenths, hundredths and thousandths when comparing values and solving addition and subtraction problems
- Round any number to 100,000 to the nearest 10, 100, 1,000 or 10,000
- Relate tenths and hundredths to fractional values
- Rapidly recall answer when multiplying and dividing a whole or decimal number by 10
- Solve multi-step problems involving more than one of the operations
- Work out simple percentage values of whole numbers as is related to on-going learning in science, history and geography
- Compare and add fractions whose denominators are all multiples of the same number
- Use a 24-hour timetable to find out times for a journey between various places
- Use knowledge of perimeter to work out perimeter of large areas around school using metres and centimetres
- Collect own data on given project and present information in graphical formats of their choosing