

**Place value**

- Rounds any whole number to a required degree of accuracy
- Uses negative numbers in context and calculates intervals across zero

Calculation

- Multiplies multi-digit numbers up to four digits by a two-digit whole number using the formal written method of long multiplication
- Divides numbers up to four digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- Solves addition and subtraction multistep problems in contexts, deciding which operations and methods to use and why
- Uses estimation to check answers to calculations and determines, in the context of a problem, an appropriate degree of accuracy

Fractions

- Uses written division methods in cases where the answer has up to two decimal places
- Solves problems which require answers to be rounded to specified degrees of accuracy
- Recalls and uses equivalences between simple fractions, decimals and percentages, including in different contexts

Ratio and proportion

- Solves problems involving the calculation of percentages e.g. of measures and calculations such as 15 per cent of 360, and the use of percentages for comparison
- Solves problems involving unequal sharing and grouping using knowledge

Algebra

- Uses simple formulae

Measurement

- Uses, reads, writes and converts between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places

Properties of shape

- Compares and classifies geometric shapes based on their properties and sizes and finds unknown angles in any triangles, quadrilaterals and regular polygons

Position and direction

- Draws and translates simple shapes on the coordinate plane and reflects them in the axis
- Interprets pie charts and line graphs and uses these to solve problems

Statistics

- Calculates and interprets the mean as an average

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