

- read, write, order and compare numbers up to 10 million and determine the value of each digit
- short and long multiplication and division using numbers up to four digits; multiply one-digit numbers with up to two decimal places by whole numbers
- mental calculations, including with mixed operations and large numbers
- multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
- add and subtract fractions with different denominators and mixed numbers
- multiply simple pairs of proper fractions and divide proper fractions by whole numbers
- recall and use equivalences between simple fractions, decimals and percentages
- solve problems involving ratio and proportion
- use algebra in terms of formula, sequences, variables and unknowns
- recognise and use the formula for volume and area including parallelograms and triangles
- illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
- recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
- draw and translate simple shapes on the coordinate plane, and reflect them in the axes
- construct pie charts
- · calculate and interpret the mean as an average
- solve number problems and practical problems involving these ideas

To support your child at home, Year 6 fluency objectives have been broken down into terms.

Autumn

Spring

Summer

Convert mm to cm by dividing by IO c.g. 423mm - 42.3cm

Convert on to metres by dividing by 100 e.g. 345cm - 3.45m

Convert mm to metres by dividing by 1,000 e.g. 3245mm - 3.245m

Convert g to kilograms by dividing by 1000 c.g. 957g - 0.957kg

Convert ml to litres by dividing by 1,000 e.g. 2670ml - 2.67 litres

Autumn

Spring

Facts families 7 x 8 - 56 56 ÷ 8 - 7 56 ÷ 7 - 8

Facts using multiples of 10 and 100 e.g. 80 x 7 - 560 80 x 70 -5,600

Facts using fractions e.g. 1/7 of 56 - 8 2/7 of 56 - 16

Facts by scaling up e.g. 16 x 7 - 112 8 x 14 - 112

Summer

Find 50% by dividing by 2 or halving e.g. 50% of 250 - 125 50% of 31 - 15.5

Find 10% by dividing by 10 e.g. 10% of 250 - 25 10% of 246 - 24.6

Find 25% by dividing by 4 or halving 50% c.g. 25% of 80 - 40 25% of 124 - 31

Find 1% by dividing by 100 c.g. 18 of 500 - 5 18 of 240 - 2.4