

Autumn term

Multiply integers and decimals by 10, 100 and 1000

Divide integers by 10, 100, 1000, and divide decimals by 10, 100

Derive quickly multiplication and division facts

Express a quotient as a fraction or as a decimal

Odd and even numbers

Find common multiples; find the smallest common multiple

2D shapes properties, incl. parallelogram, rhombus, trapezium

Classifying quadrilaterals

Constructing and using grouped frequency tables

Drawing and interpreting bar graphs using grouped data

Use & convert betw Metric units of length; understand imperial units

Use & convert betw Metric units of weight; understand imperial units

Using a protractor to measure and draw acute and obtuse angles

Calculate angles in a triangle

Add and subtract near multiples of 10, 100 and 100

Mental subtraction strategies

Doubling and halving multiples of 10 to 1000 and 100 to 10 000

Multiplying using doubling and halving

Changing an improper fraction to a mixed number, and vice versa

Converting, reducing, comparing and ordering fractions

Spring term

Rounding to the nearest 10, 100 or 1000

Rounding decimals to the nearest whole number or tenth

Use decimal notation up to hundredths; order a set of decimals

Find all pairs of factors of any number up to 100

Multiplication: partitioning

Multiplication: using close facts

Read and plot co-ordinates in all quadrants

Properties of 3D shapes; visualise 3D shapes from 2D drawings

Calculate the area of rectangles and compound shapes

Calculate the area of a right-angled triangle

Averages: mean, median and modes

Construct and interpret conversion graphs

Adding and subtracting decimals

Adding two or more numbers $< 10\,000$, standard written methods

Square numbers to at least 12×12

Recognise and extend number sequences, incl. triangular numbers

Multiply ThHTU \times U using standard methods

Use a fraction as an operator to find fractions of amounts

Order fractions and decimals; convert fraction to decimal using division

Know and apply tests of divisibility

Summer term

Order, find the difference between positive and negative numbers

Find simple percentages; express simple fractions as percentages

Multiply HTU \times TU using standard written methods

Multiply U.t \times U and U.th \times U using standard written methods

Adding two decimal numbers using standard column addition

Subtraction of two numbers $< 10\,000$, standard written methods

Subtracting two decimal numbers using standard written methods

Use & convert betw. metric units of capacity; understand imperial

Recognise events that are equally likely; probability scale

Begin to interpret a pie chart

Calculate perimeters of rectangles and compound shapes

Relationships between units of time; time zones around the world

Reflection in up to two mirror lines

Rotation and translation

Divide HTU \div U using standard written methods

Divide TU.t \div U using standard written methods

Understand the concept of proportion

Relate ratio to proportion; solve simple problems-ratio/proportion

Recognise prime numbers to at least 20

Factorise numbers up to 100 into prime factors