

Year 6

Calculate and interpret the mean as an average

Interpret pie charts and line graphs and use these to solve problems.

Use, read, write and convert between standard units, converting measurements of length, mass, volume and time

Solve problems involving the calculation of percentage

Solve problems which require answers to be rounded to specified degrees of accuracy.

Use estimation to check answers to calculations

Multiply multi-digit numbers up to 4 digits by a two-digit whole number

Round any whole number to a required degree of accuracy.

Describe positions on the full coordinate grid

Compare and classify geometric shapes based on their properties and sizes

Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.

Recall and use equivalences between simple fractions, decimals and percentages,

Use written division methods in cases where the answer has up to two decimal places.

Solve addition and subtraction multi-step problems

Divide numbers up to 4 digits by a two-digit number

Use negative numbers in context, and calculate intervals across zero.

Complete, read and interpret information in tables

Calculate and compare the area of rectangles

count forwards and backwards with positive and negative whole numbers.

Add and subtract numbers mentally

Read and write decimal numbers as fractions

Compare and order fractions

Read, write, order and compare numbers with up to three decimal places.

Convert between different units of metric measure

Year 5

Read, write, order and compare numbers to 1 000 000

Add and subtract whole numbers with more than 4 digits.

Identify multiples and factors, including factor pairs, and common factors

Solve problems involving multiplication and division

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$

Distinguish between regular and irregular polygons

Draw given angles, and measure them in degrees

Measure and calculate the perimeter of composite rectilinear shapes

Plot specified points and draw sides to complete a given polygon.

Identify lines of symmetry in 2-D shapes

Solve simple measure and money problems involving fractions and decimals to two decimal places.

Round decimals with one decimal place to the nearest whole number.

Recall multiplication and division facts for multiplication tables up to 12×12 .

Round any number to the nearest 10, 100 or 1000.

Order and compare numbers beyond 1000.

Year 4

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

Compare and classify shapes

Convert between different units of measure [for example, kilometre to metre; hour to minute].

Count up and down in hundredths

Recognise and show, using diagrams, families of common equivalent fractions.

Solve addition and subtraction two-step problems

Count backwards through zero to include negative numbers.

Count in multiples of 6, 7, 9, 25 and 1000.

Year 3

Count from 0 in multiples of 4, 8, 50 and 100

Solve number problems and practical problems

Add and subtract amounts of money to give change, using both £ and p

Recall and use multiplication and division facts for the 3, 4 and 8 x table

Count up and down in tenths

Measure, compare, add and subtract lengths (m/cm/mm); mass (kg/g) and volume/capacity (l/ml).

Interpret and present data using bar charts, pictograms and tables.

Recognise the place value of each digit in a three-digit number

Add and subtract numbers mentally, including 3 digit numbers

Use written methods to multiply 2 digit numbers by 1 digit numbers.

Recognise, find and write fractions of amounts

Recognise and show, using diagrams, equivalent fractions

Tell and write the time from: an analogue clock and 12-hour and 24-hour clocks.

Identify right angles; identify whether angles are greater than or less than a right angle.

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