

Maths Key Skills – Year 4

Term 1 / Term 2 / Term 3 / Term 4 / Term 5 / Term 6

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| Number and Place Value | <ul style="list-style-type: none"> Count in multiples 6, 7, 9, 25 & 1000 Find 1000 more/less than a given number Count backwards through 0 to include negative numbers Recognise place value of each digit in a 4 digit number Order & compare numbers beyond 1000 Identify, represent & estimate numbers using different representations Round any number to nearest 10, 100 or 1000 Solve number & practical problems that involve all of the above & with increasingly large positive numbers. <p>Read Roman numerals to 100 & know that over time, the numeral system changed to include the concept of zero & place value.</p> |
| Addition and Subtraction | <ul style="list-style-type: none"> Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate Estimate and use inverse operations to check answers to a calculation <p>Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.</p> |
| Multiplication and Division | <ul style="list-style-type: none"> Recall multiplication and division facts for multiplication tables up to 12×12 Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers Recognise and use factor pairs and commutativity in mental calculations Multiply two-digit and three-digit numbers by a one-digit number using formal written layout Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. |
| Fractions | <ul style="list-style-type: none"> Recognise and show, using diagrams, families of common equivalent fractions Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number Add and subtract fractions with the same denominator Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Round decimals with one decimal place to the nearest whole number Compare numbers with the same number of decimal places up to two decimal places <p>Solve simple measure and money problems involving fractions and decimals to two decimal places.</p> |
| Statistics | <p>Statistics</p> <ul style="list-style-type: none"> Interpret & present discrete & continuous data using appropriate graphical methods, including bar charts & time graphs Solve comparison, sum & difference problems using information presented in bar charts, pictograms, tables and other graphs. |
| Shape | <p><u>Geometry - Properties of Shape</u></p> <ul style="list-style-type: none"> Compare & classify geometric shapes including quadrilaterals & triangles based on properties & sizes Identify acute & obtuse angles Compare & order angles up to two right angles by size Identify lines of symmetry in 2D shapes presented in different orientations Complete a simple symmetric figure with respect to a specific line of symmetry |
| Measuring | <p><u>Measurement</u></p> <ul style="list-style-type: none"> Convert between different units of measure Measure & calculate the perimeter of a rectilinear figure (including squares) in cm/m Find area of rectilinear shapes by counting squares Estimate, compare & calculate different measures including money in £ 7 p Read, write & convert time between analogue & digital 12/24 hour clocks <p>Solve problems involving converting from hours to minutes, minutes to seconds, years to months, weeks to days</p> |
| Position and Direction | <ul style="list-style-type: none"> Describe positions on a 2D grid as co-ordinates in 1st quadrant Describe movements between positions as translations of a given nit to the left/right & up/down |
| Algebra | |
| Ratio and Proportion | |