



Y4 Maths Assessment

Times Tables and Rapid Recall
I can recall and use multiplication and division facts for the 6x table, recognising the relationship to the 3x table
I can recall and use multiplication and division facts for the 9x table, recognising the relationship to the 3x table
I can recall and use multiplication and division facts for the 7x table
I know all the pairs of numbers that make 1000
I can add or subtract 1000 from any 4 digit number
I can recall and use all the multiplication and division facts for all tables up to 12x12
Properties of Number and Place Value
I can read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of 0 and place value
I can understand the value of each digit in a 4 digit number
I can compare and order numbers beyond 1000
I can identify, represent and estimate numbers using different representations e.g. words, numerals, base 10 etc.
I can say 1000 more or less than any given number
I can round any whole number to the nearest 10, 100 or 1000
I can count in multiples of 6,7,9,25 and 1000
I can count backwards through 0 to include negative numbers
I can solve missing number problems with increasingly large numbers using my knowledge of place value
Addition and Subtraction
I can add 3 and 4 digit numbers using formal column addition
I can subtract 3 digit numbers by partitioning and decomposing using column subtraction
I can subtract 3 and 4 digit numbers using formal column subtraction
I can add or subtract decimals, including money, with up to 4 places, using expanded column methods
I can solve 2 step word problems involving addition and subtraction, deciding which operation to use and when
I can estimate answers and use inverse operations to check answers to a calculation in the context of a problem
Multiplication and Division
I can use related facts to multiply multiples of 10 and 100 e.g. $2 \times 3 = 6$, $2 \times 30 = 60$ $2 \times 300 = 600$
I recognise and use my knowledge of factor pairs commutatively e.g. $2 \times 6 \times 5 = 10 \times 6$ (derived from $(2 \times 5) \times 6$)
I can multiply 2 or 3 digit numbers by a 1 digit number and record this using an expanded vertical method or formal vertical method
I can use an expanded vertical method to multiply money with 2 decimal places by a one digit number
I can divide 2 or 3 digit numbers using increasingly efficient written methods and using related multiplication facts
I understand the effect of dividing by 1
I can solve problems involving multiplication and division, including more complex scaling problems (e.g. 8 times as high) and more complex correspondence problems in which 'n' objects are connected to 'm' and 'p' objects (e.g. 3 starters, 3 mains and 3 desserts, how many meal options?)
I can solve 2 step word problems involving all 4 operations, deciding which operations to use and when
Fractions
I can recognise and show, using diagrams, families of common equivalent fractions

I can recognise and work out non-unit fractions of shapes, lengths and sets of objects e.g. $\frac{3}{4}$ of a metre, $\frac{2}{5}$ of a bar of chocolate
I can recognise and work out unit fractions of shapes, lengths and sets of objects e.g. $\frac{1}{8}$ of a bar of chocolate made of 40 pieces
I can add and subtract fractions where the denominator is the same beyond a whole e.g. $\frac{3}{4} + \frac{3}{4} = \frac{6}{4}$ which is the same as 1 and $\frac{2}{4}$
I can round a decimal with one decimal place to a whole number
I can count up and down in tenths and hundredths and recognise a hundredth as a whole divided into 100 equal parts and as 10 parts of a tenth
I can recognise and write the decimal equivalent of tenths, hundredths and common fractions ($\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$) in a variety of contexts e.g. money and measures
I can find the effect of dividing 1 and 2 digit numbers by 10 and 100 and identify the value of digits in the answer as ones, tenths and hundredths
Geometry
I can compare and classify geometric shapes, including quadrilaterals and triangles based on their properties and sizes
I can describe positions on a 2D grid as coordinates in the first quadrant
I can translate shapes on a grid and describe the movement using left/right, up/down
I can plot specified points on a grid (first quadrant) and draw sides to complete a given polygon
I can identify acute and obtuse angles and compare and order angles up to 2 right angles by size
I can identify lines of symmetry in 2D shapes presented in different orientations
I can complete symmetrical shapes and patterns with respect to a specific line of symmetry
Statistics
I can interpret data in a range of graphical representations with a greater range of scales
I can present discrete data using appropriate graphical methods
I can present continuous data in the form of time (line) graphs recognising that it is recording a change over time
I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs