

Mathematics Assessment Tracking Grids - Year Four

Multiplication and Division	I can recall multiplication and division facts for multiplication tables up to 12×12								
	I can 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								
	I can recognise and use factor pairs and commutativity in mental calculations								
	I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout								
	I can 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.								

Mathematics Assessment Tracking Grids - Year Four

Fractions	I can recognise and show, using diagrams, families of common equivalent fractions								
	I can count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten								
	I can 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								
	I can add and subtract fractions with the same denominator								
	I can recognise and write decimal equivalents of any number of tenths or hundredths								
	I can recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$								
	I can 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								
	I can round decimals with one decimal place to the nearest whole number								
	I can compare numbers with the same number of decimal places up to two decimal places								
	I can solve simple measure and money problems involving fractions and decimals to two decimal places								

Mathematics Assessment Tracking Grids - Year Four

Measurement	I can convert between different units of measure								
	I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres								
	I can find the area of rectilinear shapes by counting squares								
	I can estimate, compare and calculate different measures, including money in pounds and pence								
	I can read, write and convert time between analogue and digital 12- and 24-hour clocks								
	I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days								
Geometry - Properties of Shape	I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes								
	I can identify acute and obtuse angles and compare and order angles up to two right angles by size								
	I can identify lines of symmetry in 2-D shapes presented in different orientations								
	I can complete a simple symmetric figure with respect to a specific line of symmetry								
Geometry - Position and Direction	I can describe positions on a 2-D grid as coordinates in the first quadrant								
	I can describe movements between positions as translations of a given unit to the left/right and up/down								
	I can plot specified points and draw sides to complete a given polygon.								
Statistics	I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.								
	I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.								

Mathematics Assessment Tracking Grids - Year Four

Multiplication and Division	I can recall multiplication and division facts for multiplication tables up to 12 x 12 fluently and with speed								
	I can use place value, known and derived facts to multiply and divide mentally with numbers greater than 12 x 12, including multiplying together three or more numbers								
	I can find all factor pairs of a number								
	I can multiply two digit by two digit numbers using formal written layout								
	I can solve problems involving multiplying and adding, including using the associative and distributive laws to multiply two digit numbers by other two digit numbers								
	I can solve increasingly complex integer scaling and correspondence problems								
Fractions	I can recognise and show, using diagrams, families of equivalent fractions, simplifying where necessary								
	I can count up and down fluently in tenths and hundredths								
	I can recognise the effect of dividing a one or two digit number by 1000, identifying the value of the digits in the answer								
	I can round decimals with two decimal places to the nearest whole number								
	I can solve increasingly complex problems involving adding and subtracting fractions								
	I can read and write decimal numbers up to one decimal place as fractions								
	I can compare and order numbers with the same number of decimal place up to two decimal places								
I can solve simple problems involving decimals up to two decimal places									

