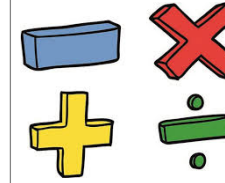# ALVERTON QUICK FACTS PROGRESSION
Declarative Knowledge Map

Quick Facts are designed to support the development of the mental fluency skills that underpin much of the mathematics curriculum. They are particularly useful when calculating, be it adding, subtracting, multiplying or dividing.

Each year group is allocated facts to focus on throughout the year, in line with the National Curriculum, EYFS Development Matters and age-related expectations. Time is dedicated each week, possibly in smaller, regular bursts to ensure that these facts are practised and learnt so that they become embedded, allowing the children to grow in their mathematical confidence.

Instant recall of facts also helps enormously with mental agility in mathematics; when children move onto written calculations and abstract methods, knowing these key facts is crucial to be able to complete calculations quickly and accurately.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
When will these facts be taught? When will they be revised?	As part of daily routines and transitions.	Quick Facts are included in all lesson starters. They are also discreetly taught throughout the week. Also included are Reflex Maths sessions, Jedi badges and Hit the Button sessions.		Reflex Maths Times Table Practice every day. Times Table Friday Quick Facts taught and revised in lesson introductions.		Quick facts are taught in the lessons prior to them being required and applied. They are then regularly tested in the daily starters, in Quizziz and in intervention sessions.	
Number Facts	I can count to 10.	I can read and write numbers 1-10 in numerals and words	I can count, read, write and order numbers to 100	I know number bonds to 100	I can count in multiples of 1000 and 25	I can round any whole number up to 100,000 to the nearest 10, 100 or 1000	I know the value of decimal digits up thousandths.
	I can subitise to 5.	I know doubles and halves of numbers to 10	I know number bonds for each number to 20	I know multiplication and division facts for the 3 and 4 times table	I can multiply and divide single-digit numbers by 10 and 100	I can find factor pairs of a number and multiples	I know the order or operations using BODMAS

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	I can say which number is one more or one less than a given number to 10	I can count in 2s, 5s and 10s.	I know doubles and halves of numbers to 20	I know multiplication and division facts for the 6 and 8 times table	I know multiplication and division facts for the 7, 9, 11 and 12 times tables	I can identify and recall prime numbers up to 20	I can identify common factors of a pair of numbers
	I can recall number bone up to 5 and some number facts to 10, including double facts.	I can use the fraction ½ for shape and quantity	I know multiplication facts for the 2, 5, 10 times table	I can count, read, write and order numbers to 1000	I can recognise decimal equivalents of fractions for tenths, hundredths and for ½, ¼ and 3/4	I can recall square numbers up to 12 and their square roots	I can derive multiplication and division facts using decimal numbers (e.g. 8 x 0.7 = 5.6)
	I can link the number symbol (numeral) with its cardinal number value.		I know division facts for the 2, 5, 10 times table	I can compare and order fractions with the same denominators	I can add and subtract fractions with the same denominator	I can read and write decimals as fractions	I can identify and recall prime numbers up to 50.
			I can recognise and find 1/3, ¼,2/4 and ¾ of a length, shape or quantity			Identify and use Roman numerals up to 1000.	I know the first 5 cube numbers

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
						I know the value of each digit in numbers with up to 6 digits.	I know common fraction, decimal and percentage equivalences
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Facts relating to duration of Time	I can name the days of the week in the right order. I can accurately use positional language of 'before', 'after', 'next', and the relative terms 'yesterday' and 'tomorrow'.	I can name the months of the year in chronological order I can name the seasons of the year I can tell the time to the nearest hour and the nearest half hour	I know that there are 24 hours in a day I can tell the time to the nearest quarter of an hour and to the nearest five minutes.	I know the number of days in each month I know that there are 365 days in a year and 366 days in a leap year I can tell the time to the nearest minute	I know how to convert between digital and analogue time	I can solve problems which require converting between units of time	

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
					I can tell the time to the nearest minute using clock faces with Roman numerals up to XII.		
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Facts relating to different measures	I can words to start to compare amounts of continuous quantities e.g. long/short, heavier/lighter, full/empty He is taller than me.	I know there are 60 seconds in one minute and 60 minutes in one hour I know the different denomination of coins and notes	I know that there are 100 cm in 1m, 1000g in 1 kg and 1000ml in 1 litre	I know that there are 10mm in 1 cm and 1000mm in 1 m I am able to measure perimeter of simple 2D shapes	I know how to convert between different units of metric measurement I can measure and calculate perimeter and area of rectilinear shapes	I can recall metric conversions I can measure and calculate perimeter and area of composite rectilinear shapes I can estimate volume and capacity	I know how to convert between standard units of measure (including km to miles) I can use formulae to calculate the area and volume of shapes including triangles, parallelograms and trapezium.

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Geometry facts	I can continue a repeating pattern.	I can recognise and name common 2-D and 3D shapes	I can describe the properties of common 2D s and 3D shapes	I can draw 2D shapes I can make 3D shapes I can identify right angles I can identify different types of lines: horizontal, vertical, perpendicular and parallel	I can compare and classify shapes based on properties and sizes I can identify lines of symmetry I can identify acute and obtuse angles	I can distinguish between regular and irregular polygons I can use properties of rectangles to find missing lengths and angles I can compare acute, obtuse and reflex angles I can draw given angles I know that angles at a point and one whole turn = 360∘ I know that angles on a straight line and half turn = 18 0 ∘	I can draw 2D shapes using given dimensions and angles I can illustrate and name the parts of a circle I can recognise and build simple 3D shapes using nets I can find unknown angles in any triangles, quadrilaterals and regular polygons. I know that each angle in an equilateral triangle is 60 degrees. I know that vertically opposite angles at a point on a straight are equal