

Mathematics Curriculum Key Assessment Objectives Whole School

Trinity Primary





Maths Curriculum KAOs Whole School

	1	2	3	4	5	6
Counting	<p>I can count to and across 100, forwards and backwards</p> <p>I can count to 100 in numerals</p> <p>I can count in multiples of 2, 5 and 10</p>	<p>I can count in multiples of 2, 5 and 10 forwards and backwards</p>				<p>I can find the difference between negative and positive integers e.g. What is the difference between - 50 and 15</p>
Place Value	<p>I can recognise the place value of each digit in a two-digit number</p>	<p>I can recognise the place value of each digit in a two-digit number, partition and order</p> <p>I can compare numbers from 0 to 100 and use <, > and = signs</p>	<p>I can recognise the place value of each digit in a three-digit number</p> <p>I can compare and order numbers up to 1000 and use <, > and = signs</p>	<p>I can recognise the place value of each digit in a four-digit number</p> <p>I can compare and order 3 or more numbers beyond 1000 and use <, > and = signs</p> <p>I can round any number to the nearest 10, 100 or 1000</p>	<p>I can compare numbers with the same number of decimal places up to three decimal places</p> <p>I can round decimals with two decimal places to the nearest whole number</p>	<p>I can round any whole number to a required degree of accuracy</p> <p>I can round decimals with three decimal places to one or two decimal places</p>
Representing number	<p>I can read and write numbers to 100</p> <p>I can make TU numbers using Numicon and/or Deines</p> <p>I know 1 more/1 less up to 100</p> <p>I can read and write an addition and subtraction number sentence e.g. $4 + 2 = 6$</p>		<p>I can find 10 more or less than a given number</p>			
Number facts	<p>I know my number bonds to 10 and related subtraction facts</p>	<p>I know my number bonds to 20 and related subtraction facts fluently</p>				
Mental +/-	<p>I can add and subtract TU + U to 20</p>	<p>I can add and subtract including TU+U, TU+T to 100</p>	<p>I can add and subtract numbers mentally, including: HTU+U, HTU+T and HTU+H</p>		<p>I consistently complete column addition and subtraction involving all numbers</p>	



Maths Curriculum KAOs Whole School

	1	2	3	4	5	6
Written +/-	I can use a number line to add and subtract to 50	I can use column addition and subtraction for TU+/-U, TU+/-TU	I can use column addition and subtraction for numbers up to 4 digits involving carrying	I can use column addition and subtraction for numbers with more than 4 digits involving carrying and borrowing		
Problems +/-				I can solve two-step problems involving borrowing and carrying	I can recall division facts for Silver with increasing speed and accuracy	
Number facts (x/÷)	I can double numbers and halve numbers to 20 I can recognise odd and even numbers to 50	I can recognise odd and even numbers to 100 and beyond				
Mental (x)		I have completed Nickel level times tables	I have completed Bronze level times tables	I have completed Silver level times tables	I am scoring 30+ Platinum level times tables	I am scoring 50+ Platinum level times tables
Written (x/÷)	I can use informal written methods when grouping i.e. 'grouping circles'	I can use informal written methods for grouping and sharing i.e. 'grouping circles' and 'share in a square'	I can use formal written multiplication for TU x U	I can use formal written multiplication for TU x U and HTU x U when Us are below 6 I can use bus shelter division for HTU ÷ U with remainders	I can use formal written multiplication for TU x TU and HTU x U I can use bus shelter division for THTU ÷ U with remainders	I can use formal written multiplication for HTU x HTU I can use long division for HTU ÷ TU with remainders
Problems (x/÷)					I can solve multi-step problems involving all operations (x+÷)	I can use BIDMAS when solving calculations involving the four operations
Recognising fractions	I can find a 1/2 and a 1/4 of a shape or quantity	I can find, name and write 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity			I can count up and down in hundredths and tenths from any given number	
Comparing fractions			I can recognise and show, using diagrams, equivalent fractions with small denominators	I can compare and order common non unit fractions (i.e. 2/4, 3/4, 2/3, 1/2) without pictures I can recognise and show, using diagrams, families of common equivalent fractions i.e. 1/4 = 2/8 = 4/16	I can compare and order fractions whose denominators are all multiples of the same number between 1 and 6 times tables (1/3, 6/9) I can recognise and show families of all equivalent fractions by multiplying denominators and numerators by the same number	I can compare and order fractions using common multiples e.g. 2/5 and 4/6 I can use common factors to simplify fractions e.g. 20/60 = 2/6 = 1/3



Maths Curriculum KAOs Whole School

	1	2	3	4	5	6
Finding fraction			I can find fractions of quantities or objects with small denominators i.e. $\frac{2}{3}$ of 12	I can find fractions of quantities or objects with larger denominators i.e. $\frac{3}{7}$ of 21	I can find fractions of quantities or objects with larger denominators mentally	
Fraction calculations			I can add and subtract fractions with the same denominator within one whole [for example $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$]		I can add and subtract fractions whose denominators are multiples of the same number e.g. $\frac{2}{3} + \frac{4}{9} = \frac{6}{9} + \frac{4}{9} = \frac{10}{9}$	I can add and subtract mixed numbers where the denominators are the same e.g. $1\frac{3}{5} + \frac{2}{5}$ I can multiply simple pairs of proper fractions, writing the answer in its simplest form
Decimals as fractional amounts				I can recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ I can multiply and divide a number by 10 and 100 when answers are decimals	I can recognise and write decimal equivalents of any number of hundredths or tenths I can convert between unit fractions and decimals e.g. $\frac{1}{4}$ s, $\frac{1}{2}$ s, $\frac{1}{3}$ s $\frac{1}{5}$ s, $\frac{1}{20}$ s and $\frac{1}{25}$ s I can multiply and divide any number by 10 and 100	I can convert between fractions and decimals where simplifying is required first e.g. $\frac{12}{16} = \frac{3}{4} = 0.75$
Percentages						I can find 25%, 50%, 75% and multiples of 10% of quantities I can convert between fractions, decimals and percentages whose denominators are factors of 100 with increasing speed e.g. $\frac{4}{25} = \frac{16}{100} = 16\% = 0.16$
Algebra						I can describe linear number sequences involving all operations I can extend a number sequence when given the rule
Perimeter and Area				I can find the perimeter and area of squares and rectangles by counting squares	I can find the perimeter and area of composite rectilinear shapes (cm/m/cm ² /m ²) when the length of all sides are given	



Maths Curriculum KAOs Whole School

	1	2	3	4	5	6
Money			I can add and subtract amounts of money to give change, using both £ and p in practical contexts	I can complete two-step word problems involving change		
Time	I can tell the time to the hour and half past and draw the hands on a clock face		I can tell the time to the nearest minute	I can read, write and convert time between analogue and digital 12- and 24- hour clocks	I can solve interval problems taking times from timetables/TV guides using a blank timeline over an hour to <i>the minute</i> i.e. how many minutes from 9:17 to 12:00	
Properties of	I can name and sort squares, circles, rectangles, triangles			I can classify quadrilaterals and triangles, stating whether they are regular or irregular		
Angles			I can identify right angles	I can identify acute and obtuse angles	<p>I can identify acute, obtuse and reflex angles</p> <p>I can compare and order any angle</p> <p>I can measure given angles in degrees (°)</p> <p>I know angles on a straight line add up to 180°</p> <p>I know angles in a triangle add up to 180°</p> <p>I know angles around a point add up to 360°</p>	
Interpreting			I can interpret and make simple bar charts with intervals of 20, 25 and 50	I can interpret and make bar charts with intervals of 0.5s	I can interpret and construct simple line graphs where answers fall between scales	
Extract info from data				I can solve one-step and two-step questions for example, How many more? How many fewer? using information presented in bar charts, pictograms, tables and line graphs with simple scales		