

Cromwell Academy  
Maths Objectives

	Numbers and the number system	Addition and subtraction	Multiplication and division	Fractions inc. decimals (Y4)
Year 4	<p>I can compare and order numbers beyond 1000.</p> <p>I can count through zero to include negative numbers.</p> <p>I can round any number to the nearest 10, 100 or 1000.</p> <p>I can recognise the place value of each digit in a 4 digit number.</p>	<p>I can find 1000 more or less than any number.</p> <p>I can choose which operation to use when solving two step problems in context.</p> <p>I can add and subtract up to 4 digits.</p>	<p>I can recall multiples of 6, 7, 9, 25 and 100.</p> <p>I can recall multiplication facts up to 12x12.</p> <p>I can choose which operation to use when solving two step problems in context.</p> <p>I can multiply together three numbers.</p> <p>I can use place value to solve 3 digit problems. (600÷3=200 from 6÷3=2).</p> <p>I can multiply two and three digit numbers by 1 digit.</p> <p>I can divide where there are remainders.</p> <p>I can use formal methods of short multiplication to multiply.</p> <p>I can recognise and use factor pairs.</p> <p>I can solve problems involving multiplying and adding.</p>	<p>I can show families of common equivalent fractions.</p> <p>I can count up and down in hundredths.</p> <p>I can add and subtract fractions with the same denominator.</p> <p>I can recognise and record decimal equivalents for any number of tenths and hundredths .</p> <p>I can recognise and record decimal equivalents to 1/4, 1/2, 3/4 .</p> <p>I can divide one and two digit numbers by 10 and 100.</p> <p>I can round decimals with one dp to the nearest whole number.</p> <p>I can compare numbers with the same number of decimal places up to two decimal places.</p> <p>I can solve measure and money problems that involve fractions and decimals to two decimal places.</p>
Year 3	<p>I can read and write numbers to at least 1000 in numerals and words.</p> <p>I can compare and order numbers up to 1000.</p> <p>I can identify, represent and estimate numbers in different ways.</p> <p>I can recognise the place value of each in a 3 digit number.</p> <p>I can partition 3 digit numbers in different ways.</p>	<p>I can choose which operation to use when solving problems in context.</p> <p>I can solve addition and subtraction using column method.</p> <p>I can add and subtract a three digit number and ones.</p> <p>I can add and subtract a three digit number and tens.</p> <p>I can add and subtract a three digit number and hundreds.</p> <p>I can solve mental calculations where the answer exceeds 100.</p> <p>I can solve missing number problems using + and - .</p> <p>I can use inverse to check calculations and solve missing number problems.</p> <p>I can use inverse to calculate 4 calculations with 3 numbers.</p>	<p>I can count in multiples of 4, 8, 50, 100 from 0.</p> <p>I can recall multiples of 2, 3, 4, 5, 8, 10, 50 and 100.</p> <p>I can recall multiplication and division facts for the 3, 4 and 8 tables.</p> <p>I can choose which operation to use when solving problems in context.</p> <p>I can use tables to solve x and ÷ problems.</p> <p>I can multiply a 2 digit number by a 1 digit number.</p> <p>I can divide a 2 digit number by a 1 digit number.</p> <p>I can use written methods to solve x and ÷.</p> <p>I can solve missing number problems involving x and ÷.</p> <p>I can solve problems that involve scaling. (2x more etc.).</p>	<p>I can recognise, find and write fractions of a set of objects or quantity.</p> <p>I can recognise integers as a fraction of a number (2 is 1/4 of 8).</p> <p>I can use diagrams to show equivalent fractions.</p> <p>I can count up and down in tenths.</p> <p>I can add and subtract fractions with the same denominator within one whole.</p> <p>I can compare and order fractions with the same denominator.</p> <p>I can solve problems that involve recognising, finding, adding, subtracting, comparing and ordering fractions.</p>



Maths Teacher Assessment

Measurement

Name \_\_\_\_\_

	Measures	Money	Time
Year 4	<p>I can convert mixed units of measure.</p> <p>I can calculate the perimeter of compound shapes (rectilinear figures).</p> <p>I can express perimeter as a formula.</p> <p>I can find the area of compound shapes by counting the squares.</p> <p>I can relate area to arrays and multiplication.</p>	<p>I can use a decimal point when recording money.</p>	<p>I can read, write and convert time between analogue and digital clocks.</p> <p>I can read, write and convert time between 12 and 24 hour clocks.</p> <p>I can solve problems that involve converting units of time.</p>
Year 3	<p>I can compare and use mixed units of measure.</p> <p>I can measure and compare lengths, mass and capacity.</p> <p>I can find simple equivalents of mixed units.</p> <p>I can add and subtract lengths, mass and capacity.</p> <p>I can draw and measure straight lines using centimetres.</p> <p>I can measure the perimeter of simple 2D shapes.</p>	<p>I can record £ and p separately.</p> <p>I can add and subtract amounts of money to give change.</p>	<p>I can record and compare time in terms of seconds, minutes and hours.</p> <p>I can use the language of o'clock, am/pm, morning, afternoon, noon and midnight.</p> <p>I can tell and write the time from an analogue clock including roman numerals to XII.</p> <p>I can tell and write the time to the nearest minute.</p> <p>I know the number of seconds in a minute and the number of days in each month and leap year.</p> <p>I can calculate the time taken by events or tasks.</p>

Maths Teacher Assessment

Geometry and Statistics

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Name \_\_\_\_\_

	Shape including angles	Position, direction and movement	Statistics
Year 4	<p>I can classify quadrilaterals and triangles based on their properties.</p> <p>I can sort regular and irregular polygons.</p> <p>I can compare and order angles up to two right angles.</p> <p>I can identify lines of symmetry in 2D shapes in different orientations .</p> <p>I can complete a single symmetrical figure or pattern.</p>	<p>I can describe co-ordinates in the first quadrant.</p> <p>I can plot co-ordinates in the first quadrant.</p> <p>I can translate shapes left/right and up/down.</p> <p>I can plot points and draw sides to complete shapes on a grid.</p>	<p>I can interpret and present discrete data in a variety of ways.</p> <p>I can solve comparison, sum and difference problems present in a variety of ways.</p> <p>I can understand and use a greater range of scales.</p>
Year 3	<p>I can draw and describe 2D shapes in different orientations.</p> <p>I can make and describe 3D shapes using modelling materials.</p> <p>I can recognise angles as a property of shape.</p> <p>I can investigate symmetrical and non-symmetrical shapes.</p> <p>I can identify acute and obtuse angles.</p>	<p>I can identify right angles and how many make up different turns.</p> <p>I can identify horizontal and vertical lines.</p> <p>I can identify pairs of parallel and perpendicular lines.</p>	<p>I can interpret and present data using:</p> <ul style="list-style-type: none"> <li>• pictograms</li> <li>• bar charts</li> <li>• tables</li> </ul> <p>I can solve one and two step questions using information in a variety of charts.</p> <p>I can answer questions where a scale has been used.</p>