

Holy Trinity and S.Silas Maths Curriculum Overview Year 2

Number: Number and Place Value

Counting	Understanding place value	Reading and Writing numbers	Identifying, representing and estimating numbers	Comparing numbers	Problem solving
Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward	Recognise the place value of each digit in two and three digit numbers: hundreds, tens and units	Read and write numbers to at least 100 in numerals and words	Identify, represent and estimate numbers using different representations, including the number line	Compare and order numbers from 0 up to 100; use < > and = signs	Use place value and number facts to solve problems

Number: Addition and Subtraction

Mental calculation

Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and ones	Count back in 10s and 1s to solve subtraction problems	Partition numbers to add and subtract	Add and subtract numbers using concrete objects, pictorial representations, and mentally, including <ul style="list-style-type: none"> • adding three, one-digit numbers (e.g. 1+ 4+ 6) • two-digit number and tens (32+10) • two, two-digit numbers (43+ 32) 	Repeated addition and subtraction to begin to multiply and divide	Add and subtract multiples of 10	Add three or more small numbers using number facts	Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot
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Number bonds

Inverse operations, estimating and checking answers

Problem solving

Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100	Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems	Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods Find more than one way to solve a problem
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Number: Multiplication and division

Multiplication and Division facts

Mental Calculation

Written Calculation

Problem Solving

Recall and use multiplication and division facts for the 2,5 and 10	Double multiples of 5 and 10 and double	Multiply two numbers and solve division problems	Show that multiplication of two numbers can be done in any order (commutative) and	Show multiplication and division are inverse operations	Calculate mathematical statements for multiplication and division within the multiplications tables and write them using the multiplication (x), division (/) and equals (=) signs	Solve problems involving multiplication and division, using materials, arrays, repeated addition and subtraction, mental methods and multiplication and
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multiplication tables, including recognising odd and even numbers	numbers ending in 1,2,3 or 4	ending in steps of 2, 3, 5 and 10	division of one number by another cannot			division facts, including problems in contexts
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Number: Fractions

Counting in fractional steps		Recognising fractions			Equivalence
Count in fractions up to 10, starting from any number using $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ and $\frac{1}{3}$ and $\frac{2}{3}$	Find $\frac{1}{4}$ of numbers up to 40 by halving twice	Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity			Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$

Measurement

Comparing and estimating	Measuring and calculating, including money				Telling the time		
Compare and order lengths, mass, volume/capacity and record the results using the < > and =	Choose and use appropriate standard units to estimate and measure <ul style="list-style-type: none"> length/height in any direction (m/cm) temperature (Celsius) capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels	Recognise and use symbols for pounds (£) and pence (p); Combine amounts to make a particular value	Find different combinations of coins that equal the same amounts of money	Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	Compare and sequence intervals of time	Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	Know the number of minutes in an hour and the number of hours in a day

Geometry

Properties of shape			Position and direction				
Identifying shapes and their properties		Comparing and classifying	Pattern		Position, direction and movement		
Identify and describe the properties of 2-D shapes, including the number of side and line symmetry in a vertical line	Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces	Identify 2-D shapes on the surface of 3-D shapes (for example a circle on a cylinder and a triangle on a pyramid)	Compare and sort common 2-D and 3-D shapes and everyday objects		Order and arrange combinations of mathematical objects in patterns and sequences		Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between a rotation as a turn and in terms of right angles for a quarter, half and three quarter turns (clockwise and anti-clockwise)

Statistics

Interpreting, constructing and representing data		
Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity	Ask and answer questions about totalling and comparing categorical data

