



Year 3 – Discrete Mathematical Knowledge

<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
I know that ten 10s make 100.	I know the 2, 3, 4, 5, 6 and 10 times table.	I know the half of all even numbers up to 50.	I know measurements can be written in abbreviations: mm, cm, m, km, mg, g, kg, ml, l.	I know the terms noon, midday, midnight	I know 2D shapes (covered in Y1 and Y2) so I can say their properties.
I know that a hundred ones make 100.	I know grouping is making equal groups.	I know perimeter is length multiplied by height.	I know equivalent measures so I can convert: 10mm=1cm, 100cm = 1m, 1000mm = 1m, 500m = ½ km, 1000mg = 1g, 1000g = 1kg, 500g 1/2 kg, 1000ml = 1l, 500ml = ½ l	I know there is a 12-hour (analogue) and 24-hour (digital) clocks so I can convert times.	I know a regular shape has all sides and angles the same.
I know how to count in tens to and above 100.	I know sharing is dividing into equal groups.	I know a unit fraction has a 1 as a numerator.	I know the value of coins for pounds and pence.	I know how to tell the time to the nearest 5 minutes	I know irregular shapes have different sides and angles.
I know the value of the number in the hundreds place value column.	I know the double of numbers up to 50.	I know a non-unit fraction has a number other than 1 for a numerator.	I know the value of notes in pounds.	I know roman numerals to 20.	I know 3D shapes (covered in Y1 and Y2) so I can say their properties (faces, edges, vertices and curved faces).
I know how to find 10 more than a number.	I know an array shows groupings.	I know numerator represents the parts.	I know two 50ps make £1.	I know there are 365 days in a year.	I know regular shapes have vertical lines of symmetry.
I know how to find 100 more than a number.	I know repeated addition is the same as multiplication.	I know the denominator represents the whole.	I know five 20ps make £1.	I know there are 12 months in a year.	I know the positional terms North, South, East and West.
I know how to count in 50s using my 5 times table knowledge.	I know 2-digit numbers partition into tens and ones.	I know how many parts of fractions make 1 whole: half, thirds, quarters, fifths, sixth etc.	I know ten 10ps make £1.	I know there are 7 days in a week.	I know a right angle is a quarter turn.
I know odd numbers to 100.	I know a remainder has to be less than the divisor.		I know there are 100 pennies in a pound so I can convert pence and pounds.	I know there are 5 days in a school week.	I know 2 right angles is the same as a half turn.
I know even numbers to 100.				I know there are 24 hours in 1 day.	I know 3 right angles is the same as 3 quarters.
I know the part and wholes of addition/subtraction so I can write fact families.				I know there are 60 seconds in a minute.	I know 4 right angles is the same as a full turn.
				I know there are 30 minutes I half an hour.	
				I know how many days in each month.	



					<p>I know an obtuse angle is more than 90 degrees but less than 180 degrees.</p> <p>I know an acute angle is less than 90 degrees.</p> <p>I know horizontal, vertical, parallel and perpendicular.</p>
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