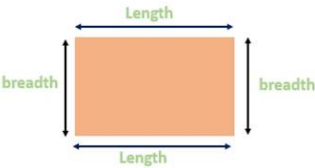







NUMERACY	FRACTIONS		YEAR 3.4
Cross curricular links	Key skills		Key Vocabulary/definitions
ICT – Using Mathematics Design Technology – using food to represent fractions or finding fractions of amounts and making links with decimals	Year 3: <u>Fractions/Decimals</u> <ul style="list-style-type: none"> Comparing and ordering fractions with the same denominator, e.g. 1/3 is bigger than 1/8 Solving problems involving fractions in the context of numbers, measures and shape 		Denominator – The denominator is the number below the line in a fraction. For example, in the fraction 3/5, the denominator is 5 Numerator – The numerator is the number above the line in a fraction. For example, in the fraction 3/5, the numerator is 3 Decimal – A decimal is a way of writing a number that is not whole. Right angle – When two straight lines intersect each other at 90° or are perpendicular to each other at the intersection Acute angle – An acute angle is an angle that is less than 90° Obtuse angle – An obtuse angle is a type of angle that is always larger than 90° but less than 180° Equivalent fraction - The fractions that represent the same value but look different
Pictures/photos relevant to topic	Year 4: <u>Fractions/Decimals:</u> <ul style="list-style-type: none"> Learn that fractions and decimals are different ways of expressing numbers and proportions Use a number line to connect fractions, decimals and whole numbers Count back and forwards in decimals Compare numbers with the same decimal place Round up decimals to the nearest whole number Recognise and write decimal equivalents to common fractions <u>Geometry:</u> <ul style="list-style-type: none"> Express perimeter algebraically as $2(a+b)$ where a and b are the dimensions in same unit Identify acute and obtuse angles Compare and order angles up to 180° Compare and classify geometric shapes 		
<p style="text-align: center;">PERIMETER OF A RECTANGLE</p>  <p style="text-align: center; color: red;">Perimeter of a rectangle = length + breadth + length + breadth = 2 length + 2 breadth</p> <div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>ACUTE ANGLE less than 90°</p> </div> <div style="text-align: center;">  <p>RIGHT ANGLE exact 90°</p> </div> <div style="text-align: center;">  <p>OBTUSE ANGLE greater than 90° less than 180°</p> </div> </div>	<ul style="list-style-type: none"> Identifying different angles, including right, acute or obtuse angles Describing the properties of 2D shapes 		
Useful information			



KNOWLEDGE ORGANISER

one $\frac{1}{1}$ 1.00 100%		1
one-half $\frac{1}{2}$ 0.50 50%		$\frac{1}{2}$ $\frac{1}{2}$
one-third $\frac{1}{3}$ 0.333 33.3%		$\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$
one-fourth $\frac{1}{4}$ 0.25 25%		$\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$
one-fifth $\frac{1}{5}$ 0.20 20%		$\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$ $\frac{1}{5}$
one-sixth $\frac{1}{6}$ 0.166 16.6%		$\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$
one-eighth $\frac{1}{8}$ 0.125 12.5%		$\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$ $\frac{1}{8}$
one-tenth $\frac{1}{10}$ 0.10 10%		$\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$ $\frac{1}{10}$
one-twelfth $\frac{1}{12}$ 0.083 8.3%		$\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$

<https://www.topmarks.co.uk/maths-games/hit-the-button> - Hit the Button is a great resource for encouraging children to practise their timetables

<https://www.topmarks.co.uk/maths-games/mental-maths-train> - Mental Maths train helps children practise mental arithmetic

<https://www.topmarks.co.uk/maths-games/daily10> - Daily 10 is a great resource for quick, daily practise of maths sums