



| NUMERACY | FRACTIONS, DECIMALS AND PERCENTAGES | | YEAR 6 |
|---|--|--|--------|
| Cross curricular links | Key skills | Key Vocabulary/definitions | |
| <p>Design Technology – Children sharing food into equal parts</p> <p>ICT- Using Mathletics online</p> | <p>In Year 6 children should be able to convert and recall equivalences between fractions, decimals and percentages within different contexts.</p> <p>Pupils must be able to solve problems involving the calculation of percentages and use percentages for comparison.</p> | <p>Equivalences – When something is equal or the same as</p> <p>Associate – To link. Eg: a fraction is associated with division</p> <p>Fraction – Represents part of something. There are two parts to a fraction: numerator and denominator.</p> <p>Decimal – A number that is not a whole</p> <p>Percentage – A number expressed as a fraction out of 100</p> <p>Polygon – A shape with straight sides</p> | |
| <p>Pictures/photos relevant to topic</p> | <p>Children should be able to find the area of a triangle and parallelograms using formulas and know how to calculate interior angles of regular polygons.</p> | <p>Useful information</p> <p>https://login.mathletics.com/ - This is a useful website for accessing Maths activities on fractions at home.</p> <p>Fraction to decimal word problem <i>Jasmine converts a fraction to a decimal using short division. She says, "I think that 3/8 converts to 0.374 as a decimal." Is she correct? Convince me.</i></p> <p>Jasmine is incorrect because $3 \div 8 = 0.375$.</p> <p>Fraction to percentage word problem <i>Seb has converted a fraction into a percentage. He says "My denominator is 20 or 50. My numerator is divisible by 3. My percentage is >50%." What could his fraction and percentage combinations be?</i></p> <p>Seb could have 15/20 and 75%</p> | |

