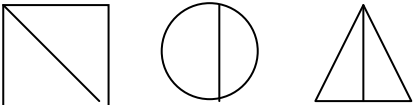




PROGRESSION IN THE TEACHING OF FRACTIONS, DECIMALS AND PERCENTAGES

Year 1 Objectives

- Recognise, find and name a half as one of two equal parts of an object, shape or quantity.
- Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity

<p>Part of a whole (item or quantity or set of items)</p>	<p>Result of division (including when the numerator is smaller than the denominator)</p>	<p>Fraction of a number</p>	<p>Ratio (one object as a fraction of another)</p>
<p>Which of these shapes is split into halves?</p>  <ul style="list-style-type: none"> • Talk about two halves = 1, four quarters = one. • Show and talk about halves and quarters of objects using equal sharing and grouping such as: <ul style="list-style-type: none"> ○ Sandwiches ○ Shapes ○ Continuous quantities – liquids, string etc. • Solve problems involving halves and quarters, e.g. planning a picnic for 2 or 4 people. 	<ul style="list-style-type: none"> • Ring half the set of buttons... • Solve problems by sharing one thing between two people, and four people: <ul style="list-style-type: none"> ○ Biscuits ○ Bars of chocolate ○ Jar of sweets ○ String / ribbon • Solve problems by sharing two things between two and four people. • Solve problems such as: <ul style="list-style-type: none"> ○ Find $\frac{1}{4}$ of 12 biscuits ... 8 pencils ... ○ Find $\frac{1}{2}$ of these 14 pennies ... 9 biscuits ... 30 children in the class. • Focus on equal sharing. 	<ul style="list-style-type: none"> • Fold strips of paper / string / ribbon into halves and quarters.   <ul style="list-style-type: none"> • Identify on a number line halves and quarters up to and beyond 1. 	<ul style="list-style-type: none"> • Make a tower half /quarter the size of this one, using multilink. • Make and talk about patterns, e.g. patterns in train carriages, for one red carriage put on 3 blue carriages. • Solve problems such as: <ul style="list-style-type: none"> •Tom is half as old as Roy. How old could Tom and Roy be? • Jill and Bob collect coins. Jill collects 1p coins and Bob collects 5p coins. If they both had 4 coins, how much would each have? (How much would they have altogether?)