



**ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN**

**TOPIC TITLE:** LS17 Multiplying fractions by whole numbers LS18 Problem solving fractions **YEAR GROUP:** 5 **TERM:** Summer 1

<p><b>Vocabulary</b>  Fractions  &gt; (more than) &lt; (less than)  Proper fractions  Mixed number fractions  Improper fractions  Bar model  Multiply  Denominator / numerator</p>	<p><b>Skills</b></p> <ul style="list-style-type: none"> <li>- Multiplying fractions by a whole number where the answer is less than 1 and more than 1.</li> <li>- Converting improper fractions to mixed number fractions.</li> <li>- Evaluating different models to aid problem solving.</li> <li>- Multiplying mixed number fractions by whole numbers.</li> <li>- Combining problem solving skills with fraction multiplication skills.</li> </ul>	<p><b>What we already know</b></p> <ul style="list-style-type: none"> <li>- Multiplication methods</li> <li>- Proper, mixed and improper fractions and conversion between them.</li> <li>- How to apply a bar model to aid general problem solving.</li> </ul>
<p><b>Illustration</b></p>	<p><b>Application/Outcomes</b></p> <ul style="list-style-type: none"> <li>- Progress from drawing models to supported calculation to multiplying the numerator by the whole number.</li> <li>- Fraction X whole number calculations where the answer is &gt; that 1. Convert from improper to mixed number fractions.</li> <li>- Choose the best model to aid calculation and apply it.</li> <li>- Choose best method of calculation for mixed number fractions X whole number and apply it to a range of questions.</li> <li>- Apply fraction multiplication to problem solving E.g. using a bar model.</li> </ul>	<p><b>Concepts</b></p> <ul style="list-style-type: none"> <li>- Multiplying a fraction by a whole number is the same as repeated addition.</li> <li>- Multiply the numerator, not the denominator.</li> <li>- Models can support visualising a calculation.</li> <li>- Bar models to support fraction based problem solving.</li> </ul>