



ALMOND HILL JUNIOR SCHOOL MEDIUM TERM PLAN

TOPIC TITLE: Problem Solving (Four operations – 5LS35)

YEAR GROUP: 5

TERM: Summer 2

<p>Vocabulary Problem Solving Reasoning Mental Written Addition Multiplication Subtraction Division Equals RUCSAC</p>	<p>Skills</p> <ul style="list-style-type: none">• Choosing the appropriate operation for the calculation• Use models to support interpretations of word problems, including for working backwards• Finding a starting point for a problem through consideration of key information• Interpret the answer with respect to the question	<p>What we already know</p> <ul style="list-style-type: none">• Problem solving strategies including finding a starting point, working backwards and reasoning• Mental and written calculation methods for the four operations (including long multiplication and short division)• Using RUCSAC when problem solving• Interpreting calculations to answer the problem• Multiply and divide by 10, 100 and 1000								
<p>Illustration</p> <table border="1" data-bbox="114 813 719 997"><tr><td>Cut piece</td><td>Cut piece</td><td>Cut piece</td><td>Cut piece</td></tr><tr><td colspan="4">1.92 metres of wood</td></tr></table> $\begin{array}{r} 218 \\ 7 \overline{) 1512593} \end{array}$	Cut piece	Cut piece	Cut piece	Cut piece	1.92 metres of wood				<p>Application/ Outcomes</p> <ul style="list-style-type: none">• Worded and multi-step problems in real-life scenarios• Rehearsal of written calculation methods• Interpreting calculations to answer the question• Verbal discussions to articulate reasoning	<p>Concepts</p> <ul style="list-style-type: none">• The 'equals' (=) sign does not mean 'to find an answer to' but represent that each side represents the same• Modelling the problem can support selection of the correct methods for problem solving• The answer to a calculation can be interpreted differently when becoming the answer to a word problem• Working backwards requires inverse operations• Finding a starting point requires consideration of all the information in a problem to determine which is relevant and which isn't.
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