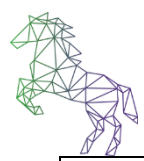





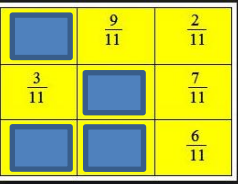
Year 7 Maths Homework Menu: HT1

For each unit you must choose one take away item for homework. The chilli rating suggests the difficulty of the task, or the challenge it might offer. Choose your homework from the menu below. The extra hot tasks will gain the most bonus points. You can earn an extra bonus point for putting in maximum effort. Your teacher will set your deadline and how you should submit your work.

	<p>More advanced thinking skills</p> 	<p>REASONING</p>	<p>Creating</p>	<p>6</p>	<p>The number of people who have purchased an iPhone 6 was 774,352,685. Apple were advertising “We have sold so many iPhone 6 mobile phones, it must be billions!”. Is this true? Write a letter to Apple explaining the place value of the number of sales they have made.</p>	<p>Follow this link, watch the video and answer the questions http://nrich.maths.org/5612 which is the best method of multiplication? Why?</p>	<p>Find two decimal numbers that add up to 1. What is the product of the two numbers? E.g $0.4 + 0.6 = 1$ $0.4 \times 0.6 = 0.24$ $0.3 + 0.7 = 1$ $0.3 \times 0.7 = 0.21$ The product is smaller than 1. Is this always true?</p>
		<p>REASONING</p>	<p>Evaluating</p>	<p>5</p>	<p>Research and write down the populations of 6 countries, order the countries starting with the largest. You need to explain how you ordered the values.</p>	<p>Follow this link, watch the video and answer the questions http://nrich.maths.org/5612</p>	<p>Complete the task and answer the questions https://nrich.maths.org/10428</p>
		<p>PROBLEM SOLVING</p>	<p>Analysing</p>	<p>4</p>	<p>Complete: $\square.\square\square + \square.\square + \square$ Use the digits 1 to 6 only once to make the answers: a) 7.05 c) 13.44 b) 10.02 d) 11.82</p>	<p>If the following questions have the same answers, are there any possibilities for a, b, c and d? $\begin{array}{r} 50,000 \quad 5abcd \\ -5abcd \quad -5000 \\ \hline \end{array}$</p>	 <p>Complete the magic square</p>



Year 7 Maths Homework Menu: HT1

	 Thinking skills	PROBLEM SOLVING	Applying	3	Complete: $\square\square + \square\square$ Use the digits 2,4,7 and 9 to make the answers: a) 50 c)32 b)100 d) 80	If the following questions have the same answers, are there any possibilities for a and b? $\begin{array}{r} 500 \\ -ab5 \\ \hline \end{array}$ $\begin{array}{r} 5ab \\ -500 \\ \hline \end{array}$	 Complete the magic square.
		FLUENCY	Understanding	2	Complete MyMaths task 1103 and 1392	Complete MyMaths task 1028,1068,1916 and 1917	Complete MyMaths task 1042 and 1075
		FLUENCY	Remembering	1	Complete MyMaths task 1069 and 1072	Complete MyMaths task 1007,1167,1020 and 1393	Complete MyMaths task 1016 and 1019