













Year 6

Last week – Day 2

LO – TBAT use decimal x and divide to solve a murder mystery.

Task 1	Task 2																																													
<p>Arithmetic</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 5%; text-align: center;">9</td><td>$4,000 \div 800 =$</td></tr> <tr><td style="width: 5%; text-align: center;">10</td><td>$12 \times 50 \times 20 =$</td></tr> <tr><td style="width: 5%; text-align: center;">11</td><td>$25,000 \div 50 =$</td></tr> <tr><td style="width: 5%; text-align: center;">12</td><td>$3,500 \div 50 + 150 =$</td></tr> <tr><td style="width: 5%; text-align: center;">13</td><td>$154.6 + 8.467 =$</td></tr> <tr><td style="width: 5%; text-align: center;">14</td><td>$\begin{array}{r} 87.62 \\ \times \quad 8 \\ \hline \end{array}$</td></tr> <tr><td style="width: 5%; text-align: center;">15</td><td>$11^2 + 6^2 - 4^3 =$</td></tr> <tr><td style="width: 5%; text-align: center;">16</td><td>$40 \div 7 \times 40 =$</td></tr> </table>	9	$4,000 \div 800 =$	10	$12 \times 50 \times 20 =$	11	$25,000 \div 50 =$	12	$3,500 \div 50 + 150 =$	13	$154.6 + 8.467 =$	14	$\begin{array}{r} 87.62 \\ \times \quad 8 \\ \hline \end{array}$	15	$11^2 + 6^2 - 4^3 =$	16	$40 \div 7 \times 40 =$	<p style="text-align: center;">Use decimal x and divide to complete the following murder mystery.</p> <p style="text-align: center;"> Who, where and when?</p> <div style="border: 1px solid black; padding: 5px;"> <p>Who? One of the following four people has committed a crime. The criminal made 2 errors, the victim has made 1 error and the other two suspects have made 0 errors.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>The history teacher made the following statements:</p> <ul style="list-style-type: none"> • $0.8 \times 7 = 5.6$ • $0.2 \times 0.5 = 0.1$ • $0.6 \times 0.1 = 0.06$ • $1.9 \times 0.3 = 0.57$  </td> <td style="width: 50%; padding: 5px;"> <p>The ICT teacher made the following statements:</p> <ul style="list-style-type: none"> • $0.1 \times 6 = 0.6$ • $0.6 \times 4 = 2.4$ • $1.6 \times 0.5 = 0.8$ • $1.7 \times 0.2 = 0.34$  </td> </tr> <tr> <td style="width: 50%; padding: 5px;"> <p>The PE teacher made the following statements:</p> <ul style="list-style-type: none"> • $0.5 \times 0.7 = 3.5$ • $0.4 \times 0.7 = 0.28$ • $1.5 \times 0.5 = 0.75$ • $1.3 \times 0.7 = 0.91$  </td> <td style="width: 50%; padding: 5px;"> <p>The Maths teacher made the following statements:</p> <ul style="list-style-type: none"> • $0.3 \times 3 = 0.9$ • $0.8 \times 0.1 = 0.8$ • $0.9 \times 0.9 = 0.81$ • $0.2 \times 0.3 = 0.6$  </td> </tr> </table> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Where? The murder was committed at one of the locations below, but which one? It happened where ALL the calculations are correct.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">The maths classroom</td> <td>$3.2 \div 8 = 0.4$ $5.44 \times 0.11 = 0.5984$ $48 \div 0.8 = 6$</td> </tr> <tr> <td>The dining hall</td> <td>$2.4 \div 6 = 0.4$ $5.2 \times 0.97 = 50.44$ $0.4 \times 0.4 = 0.16$</td> </tr> <tr> <td>The gym</td> <td>$1.8 \div 3 = 0.6$ $8.3 \times 0.73 = 605.9$ $7.2 \div 9 = 0.8$</td> </tr> <tr> <td>The playing fields</td> <td>$6.3 \div 0.3 = 21$ $4.6 \times 0.11 = 0.506$ $4.2 \div 0.7 = 6$</td> </tr> </table> <p>When? 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