














Year 6

Last week – Day 3

LO – TBAT use fractions, decimals and percentages 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: 10%; text-align: center;">17</td> <td>$555,005 + 55,005 =$</td> </tr> <tr> <td style="text-align: center;">18</td> <td>$817.02 - 59.8 =$</td> </tr> <tr> <td style="text-align: center;">19</td> <td>$0.08 \times 9 =$</td> </tr> <tr> <td style="text-align: center;">20</td> <td>$100,101 - 9 =$</td> </tr> <tr> <td style="text-align: center;">21</td> <td>$101.01 \times 1000 =$</td> </tr> <tr> <td style="text-align: center;">22</td> <td>$100 - 60 \div 4 + 9 =$</td> </tr> <tr> <td style="text-align: center;">23</td> <td>$0.6 = \frac{?}{25}$</td> </tr> <tr> <td style="text-align: center;">24</td> <td>$2.5 + 100 =$</td> </tr> </table>	17	$555,005 + 55,005 =$	18	$817.02 - 59.8 =$	19	$0.08 \times 9 =$	20	$100,101 - 9 =$	21	$101.01 \times 1000 =$	22	$100 - 60 \div 4 + 9 =$	23	$0.6 = \frac{?}{25}$	24	$2.5 + 100 =$	<div style="text-align: center;">  <h3 style="color: orange;">Who, where and when?</h3> </div> <p style="color: orange; font-weight: bold;">Who? ... One of the following four people has committed a crime. The criminal made 2 errors, the victim has made 0 errors and the other two suspects have made 1 error.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> <p>The ICT teacher made the following statements about these numbers: 0.4 $\frac{1}{2}$ 30% 45% $\frac{1}{3}$</p> <p>- Smallest to largest : 30%, $\frac{1}{3}$, 0.4, 45%, $\frac{1}{2}$</p> <ul style="list-style-type: none"> • $0.4 = 40\%$ • $\frac{1}{2}$ is bigger than $\frac{1}{3}$ • $\frac{1}{3}$ is the same as 30%  </td> <td style="width: 50%; padding: 5px;"> <p>The History teacher made the following statements about these numbers: 0.12 $\frac{1}{20}$ 15% 10% $\frac{2}{5}$</p> <ul style="list-style-type: none"> • $0.12 = 12\%$ • $\frac{1}{20}$ is the same as 20% • 15% is smaller than $\frac{2}{5}$ • 0.12 is bigger than 10%  </td> </tr> <tr> <td style="padding: 5px;"> <p>The maths teacher made the following statements: 68% 0.63 $\frac{2}{3}$ 6% $\frac{13}{20}$</p> <ul style="list-style-type: none"> • $\frac{2}{3}$ is bigger than 0.63 • 6% is the same as 0.06 • $\frac{13}{20}$ is the same as 65% • 68% is bigger than 0.63  </td> <td style="padding: 5px;"> <p>The English teacher made the following statements: 70% $\frac{27}{40}$ 0.65 62% $\frac{3}{5}$</p> <ul style="list-style-type: none"> • $\frac{3}{5}$ is bigger than 0.65 • $\frac{27}{40}$ is bigger than 62% • Smallest to largest is: 60%, 62%, 65%, 67.5%, 70% • 0.65 is smaller than 0.62  </td> </tr> </table>		<p>The ICT teacher made the following statements about these numbers: 0.4 $\frac{1}{2}$ 30% 45% $\frac{1}{3}$</p> <p>- Smallest to largest : 30%, $\frac{1}{3}$, 0.4, 45%, $\frac{1}{2}$</p> <ul style="list-style-type: none"> • $0.4 = 40\%$ • $\frac{1}{2}$ is bigger than $\frac{1}{3}$ • $\frac{1}{3}$ is the same as 30% 	<p>The History teacher made the following statements about these numbers: 0.12 $\frac{1}{20}$ 15% 10% $\frac{2}{5}$</p> <ul style="list-style-type: none"> • $0.12 = 12\%$ • $\frac{1}{20}$ is the same as 20% • 15% is smaller than $\frac{2}{5}$ • 0.12 is bigger than 10% 	<p>The maths teacher made the following statements: 68% 0.63 $\frac{2}{3}$ 6% $\frac{13}{20}$</p> <ul style="list-style-type: none"> • $\frac{2}{3}$ is bigger than 0.63 • 6% is the same as 0.06 • $\frac{13}{20}$ is the same as 65% • 68% is bigger than 0.63 	<p>The English teacher made the following statements: 70% $\frac{27}{40}$ 0.65 62% $\frac{3}{5}$</p> <ul style="list-style-type: none"> • $\frac{3}{5}$ is bigger than 0.65 • $\frac{27}{40}$ is bigger than 62% • Smallest to largest is: 60%, 62%, 65%, 67.5%, 70% • 0.65 is smaller than 0.62 
17	$555,005 + 55,005 =$																					
18	$817.02 - 59.8 =$																					
19	$0.08 \times 9 =$																					
20	$100,101 - 9 =$																					
21	$101.01 \times 1000 =$																					
22	$100 - 60 \div 4 + 9 =$																					
23	$0.6 = \frac{?}{25}$																					
24	$2.5 + 100 =$																					
<p>The ICT teacher made the following statements about these numbers: 0.4 $\frac{1}{2}$ 30% 45% $\frac{1}{3}$</p> <p>- Smallest to largest : 30%, $\frac{1}{3}$, 0.4, 45%, $\frac{1}{2}$</p> <ul style="list-style-type: none"> • $0.4 = 40\%$ • $\frac{1}{2}$ is bigger than $\frac{1}{3}$ • $\frac{1}{3}$ is the same as 30% 	<p>The History teacher made the following statements about these numbers: 0.12 $\frac{1}{20}$ 15% 10% $\frac{2}{5}$</p> <ul style="list-style-type: none"> • $0.12 = 12\%$ • $\frac{1}{20}$ is the same as 20% • 15% is smaller than $\frac{2}{5}$ • 0.12 is bigger than 10% 																					
<p>The maths teacher made the following statements: 68% 0.63 $\frac{2}{3}$ 6% $\frac{13}{20}$</p> <ul style="list-style-type: none"> • $\frac{2}{3}$ is bigger than 0.63 • 6% is the same as 0.06 • $\frac{13}{20}$ is the same as 65% • 68% is bigger than 0.63 	<p>The English teacher made the following statements: 70% $\frac{27}{40}$ 0.65 62% $\frac{3}{5}$</p> <ul style="list-style-type: none"> • $\frac{3}{5}$ is bigger than 0.65 • $\frac{27}{40}$ is bigger than 62% • Smallest to largest is: 60%, 62%, 65%, 67.5%, 70% • 0.65 is smaller than 0.62 																					
	<div style="border: 1px solid black; padding: 5px;"> <p>Where and When? (USE THE DATA SHEET!!) 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 on Monday</td> <td>Simon spent 25% of his wages on rent Trainers from Sports "4" All would cost £99 Zara's wages next year will be £98,900 In February Jennie hit the council's target.</td> </tr> <tr> <td>The dining hall on Tuesday</td> <td>Simon spent $\frac{1}{5}$ of his wages on food. In March Jennie recycled 14.56 kg of waste Zara's other expenses next year will be £3500 Mel's Sports have the cheapest trainers</td> </tr> <tr> <td>The gym on Thursday</td> <td>Simon spent 15% of his wages on clothes Excel Sports trainers would cost £56 Zara can't afford to increase the money spent on goods. Jennie meets the councils target for recycling.</td> </tr> <tr> <td>The playing fields on Friday</td> <td>Simon had 40% of his wages left. 20% of £50 is £10 Zara's rent next year will be £8400 March was Jennie's best month for recycling</td> </tr> </table> </div>		The maths classroom on Monday	Simon spent 25% of his wages on rent Trainers from Sports "4" All would cost £99 Zara's wages next year will be £98,900 In February Jennie hit the council's target.	The dining hall on Tuesday	Simon spent $\frac{1}{5}$ of his wages on food. In March Jennie recycled 14.56 kg of waste Zara's other expenses next year will be £3500 Mel's Sports have the cheapest trainers	The gym on Thursday	Simon spent 15% of his wages on clothes Excel Sports trainers would cost £56 Zara can't afford to increase the money spent on goods. Jennie meets the councils target for recycling.	The playing fields on Friday	Simon had 40% of his wages left. 20% of £50 is £10 Zara's rent next year will be £8400 March was Jennie's best month for recycling												
The maths classroom on Monday	Simon spent 25% of his wages on rent Trainers from Sports "4" All would cost £99 Zara's wages next year will be £98,900 In February Jennie hit the council's target.																					
The dining hall on Tuesday	Simon spent $\frac{1}{5}$ of his wages on food. In March Jennie recycled 14.56 kg of waste Zara's other expenses next year will be £3500 Mel's Sports have the cheapest trainers																					
The gym on Thursday	Simon spent 15% of his wages on clothes Excel Sports trainers would cost £56 Zara can't afford to increase the money spent on goods. Jennie meets the councils target for recycling.																					
The playing fields on Friday	Simon had 40% of his wages left. 20% of £50 is £10 Zara's rent next year will be £8400 March was Jennie's best month for recycling																					
	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; font-weight: bold;">The Accusation</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center; font-weight: bold;">Who</td> <td style="height: 40px;"></td> </tr> <tr> <td style="text-align: center; font-weight: bold;">Where and When</td> <td style="height: 40px;"></td> </tr> </table> </div>		Who		Where and When																	
Who																						
Where and When																						