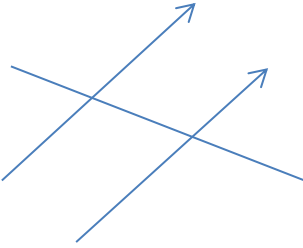


If a question has more than 1 mark, show some working out for full marks.

Due: _____

<p>1. Factors (3)</p> <p>a) List the factors of 36.</p> <p>b) List the factors of 17.</p>	<p>2. Fractions (2)</p> $\frac{3}{7} - \frac{1}{4}$	<p>3. Geometry (1)</p> <p>Show a pair of vertically opposite angles.</p> 																																																										
<p>4. Standard Notation (1)</p> <p>Write 3.45×10^3 as a number.</p>	<p>5. Angles (2)</p> <p>a) What is the complement of 60°?</p> <p>b) What is the supplement of 90°?</p>	<p>6. Shapes (1)</p> <p>Draw a Right Angled Trapezium</p>																																																										
<p>7. Percentages (5)</p> <p>a) 10% of 480</p> <p>b) 20% of 480</p> <p>c) 5% of 480</p> <p>d) 10% of 37</p> <p>e) 20% of 37</p>	<p>8. Statistics (4)</p> <p>The number of points scored in 34 games of basketball were as follows:</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr><td>12</td><td>19</td><td>14</td><td>15</td><td>15</td><td>12</td></tr> <tr><td>13</td><td>14</td><td>18</td><td>16</td><td>13</td><td>17</td></tr> <tr><td>14</td><td>14</td><td>16</td><td>18</td><td>17</td><td>12</td></tr> <tr><td>15</td><td>13</td><td>16</td><td>14</td><td>15</td><td>13</td></tr> <tr><td>15</td><td>16</td><td>13</td><td>14</td><td>17</td><td>14</td></tr> <tr><td>15</td><td>13</td><td>14</td><td>14</td><td></td><td></td></tr> </table> <p>Place this data into a frequency table and calculate the mode.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse; width: 200px;"> <thead> <tr> <th style="padding: 5px;">Number</th> <th style="padding: 5px;">Frequency</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		12	19	14	15	15	12	13	14	18	16	13	17	14	14	16	18	17	12	15	13	16	14	15	13	15	16	13	14	17	14	15	13	14	14			Number	Frequency																				
12	19	14	15	15	12																																																							
13	14	18	16	13	17																																																							
14	14	16	18	17	12																																																							
15	13	16	14	15	13																																																							
15	16	13	14	17	14																																																							
15	13	14	14																																																									
Number	Frequency																																																											
<p>10. Expanding (10)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; padding: 5px;">a. $4(a + b) =$</td> <td style="width: 50%; padding: 5px;">d. $4e(2e + b - 3) =$</td> </tr> <tr> <td style="padding: 5px;">b. $8(2e + y) =$</td> <td style="padding: 5px;">e. $3(s - 1) + 8 =$</td> </tr> <tr> <td style="padding: 5px;">c. $-10(3c - 2d) =$</td> <td></td> </tr> </table>			a. $4(a + b) =$	d. $4e(2e + b - 3) =$	b. $8(2e + y) =$	e. $3(s - 1) + 8 =$	c. $-10(3c - 2d) =$																																																					
a. $4(a + b) =$	d. $4e(2e + b - 3) =$																																																											
b. $8(2e + y) =$	e. $3(s - 1) + 8 =$																																																											
c. $-10(3c - 2d) =$																																																												