

# Fill in the Blanks

# Combining Means

Question	Table				Answer													
<p>There are 30 students in 8A and 20 students in 8B. On their Chemistry homework, 8A scored a mean of 8.6 and 8B scored a mean of 9.1. Find the combined mean across both classes.</p>	<table border="1"> <thead> <tr> <th>Group</th> <th>Frequency</th> <th>Mean</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>8A</td> <td>30</td> <td>8.6</td> <td>258</td> </tr> <tr> <td>8B</td> <td>20</td> <td>9.1</td> <td>182</td> </tr> <tr> <td>Combined</td> <td>50</td> <td></td> <td>440</td> </tr> </tbody> </table>	Group	Frequency	Mean	Total	8A	30	8.6	258	8B	20	9.1	182	Combined	50		440	
Group	Frequency	Mean	Total															
8A	30	8.6	258															
8B	20	9.1	182															
Combined	50		440															
<p>In a bag there are 8 apples, with a mean weight of 120 g. In a box there are 12 apples, with a mean weight of 132 g. Find the mean weight of all the apples combined.</p>	<table border="1"> <thead> <tr> <th>Group</th> <th>Frequency</th> <th>Mean</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Bag</td> <td>8</td> <td>120</td> <td>960</td> </tr> <tr> <td>Box</td> <td>12</td> <td>132</td> <td></td> </tr> <tr> <td>Combined</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Group	Frequency	Mean	Total	Bag	8	120	960	Box	12	132		Combined				
Group	Frequency	Mean	Total															
Bag	8	120	960															
Box	12	132																
Combined																		
<p>In a class there are 16 boys and 14 girls. In a test the mean score for boys is 17 and the mean score for girls is 17.6. Find the combined mean score for the whole class.</p>	<table border="1"> <thead> <tr> <th>Group</th> <th>Frequency</th> <th>Mean</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Boys</td> <td>16</td> <td>17</td> <td></td> </tr> <tr> <td>Girls</td> <td>14</td> <td></td> <td></td> </tr> <tr> <td>Combined</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Group	Frequency	Mean	Total	Boys	16	17		Girls	14			Combined				
Group	Frequency	Mean	Total															
Boys	16	17																
Girls	14																	
Combined																		
<p>Rovers A team play 16 games and score a mean of 2.5 goals per game. Rovers B team play 20 games and score a mean of 1.6 goals per game. Find the mean goals per game across both teams.</p>	<table border="1"> <thead> <tr> <th>Group</th> <th>Frequency</th> <th>Mean</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>A team</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B team</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Combined</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Group	Frequency	Mean	Total	A team				B team				Combined				
Group	Frequency	Mean	Total															
A team																		
B team																		
Combined																		
<p>Class 7X contains 20 children and their mean height is 156 cm. Class 7Y contains 22 children and their mean height is 148 cm. Find the mean height across both classes, giving your answer to 1 decimal place.</p>	<table border="1"> <thead> <tr> <th>Group</th> <th>Frequency</th> <th>Mean</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Group	Frequency	Mean	Total													
Group	Frequency	Mean	Total															