| Question | Answer |
| :---: | :---: |
| 1 | a) For every 1 tray, there are 6 muffins. <br> b) The ratio of trays to muffins is $1: 6$ <br> c) For every 6 muffins, there is 1 tray. <br> d) The ratio of muffins to trays is $6: 1$ <br> e) 12 <br> f) 18 <br> g) 5 |
| 2 | a) 200 g <br> b) 100 g <br> c) The amounts of flour and sugar are the same in each question because the ratio is 1:1 |
| 3 | a) Cordial <br> Water <br> b) <br> 20 <br> 120 ml of juice can be made using 20 ml of cordial. <br> c) <br> 4 <br> 24 ml of juice can be made using 20 ml of water. <br> d) The ratios are the same but in part b 20 ml represented one part and in part c 20 ml represents 5 parts. |
| 4 | a) Method 1 - Each part should contain 13 <br> Method 2 - Multiply each side of the ratio by 13 <br> Method 3 - Multiply both numbers on the double number line by 13 <br> There are 13 adults in the school. <br> b) Students will need to discuss and justify their reasons verbally. They may comment on the efficiency of a method and when one method is more suitable than another. |
| 5 | 75 |
| 6 |  |
| 7 | a) The 1 because it is the smaller number in the ratio. <br> b) 25 cm |

