**Sharing Ratios**

Q: $100 is to be shared in the ratio of 4:6.

1. Find out how many parts there are to be divided – 4:6 = 10 parts
2. The easiest way to do this is to find the value of 1 part. To do this, we divide the thing we are sharing ($100) by the total number of parts (10). This gives us the value of 1 part.
3. To find the value of 4 or six parts, simply multiply the value of 1 part, by either 4 or 6.

*Eg. 10 parts = $100*

 *1 parts = $100 divided by 10*

 *= $10*

 *4 parts = 1 part x 4*

 *= $10 x 4*

 *= $40*

1. Write down the total number of parts for each of the following ratios:
2. 1:2 =
3. 2:3 =
4. 3:1 =
5. 3:5 =
6. 4:9 =
7. 5:8:1 =
8. 2:7 =
9. 4:7:10 =
10. 1:1 =
11. 9:3 =
12. Share $1000 in the following ratios.
13. 2:3
14. 3:1
15. 1:4
16. 1:1
17. 3:5
18. 5:3:2
19. 3:7
20. 9:1
21. 7:13
22. 9:11
23. At Palm Beach High, classes were analysed for the number of girls and boys. Complete the following table:

|  |  |  |  |
| --- | --- | --- | --- |
| **Class & Number** | **Ratio of boys to girls** | **Number of Boys** | **Number of Girls** |
| 6/7A, 24 students | 2:1 |  |  |
| 6/7B, 25 students | 2:3 |  |  |
| 6/7C, 21 students | 3:4 |  |  |

1. The ratio of pink balloons to orange balloons is 2:3.
2. Find the number of green balloons if there are:

i) 40 pink balloons ii) 100 pink balloons iii) 250 balloons in total

 b) Find the number of balloons in total if there are:

 i) 15 orange balloons ii) 350 pink balloons