

Ratio word problems

- 1) \$3000 is to be shared among three friends in the ratio 6: 9: 10. How much does each partner get?
- 2) Two numbers are in the ratio 10: 11. Their sum is 168. Find the numbers.
- 3) Timmy and Ben invest some money in a business in the ratio 13: 12. They make a profit of \$ 542600. How much should Ben receive as profit?
- 4) How will \$105 be shared between Jack, Ken and Aaron; if Jack gets double of what Ken gets, and Ken gets double of what Aaron gets?



- 5) The subscription fee of a club is increased from \$980 to \$1000 per month. Find the ratio of the increased fee to the original fee.
- 6) In a city, the ratio of the number of males to that of the females is 4: 3. If there were 20 males less and 10 females less than the ratio would have been 5: 4. How many people were there in the city?
- 7) Mr. Kim divides \$4,800 among his three children Sam, Ron and Gary in such a way that Sam gets equal to four-times of what Ron gets and Ron gets equal to 2.5 times of what Gary gets. Find what each child gets.



- 8) The length of a line segment is 8.1 cm. It is divided in the ratio 7: 2. Find the length of each part divided.
- 9) The population in a city is 180,000; out of which men are $\frac{1}{3}$ of the whole population. Find the number of women. Also, find the ratio of the number of women to the whole population.
- 10) During a test match series of cricket three bowlers A, B and C together took 23 wickets. The ratio of wickets taken by A and B is 4: 3, and the ratio of those taken by B and C is 2: 3. Find the wickets taken by A, B and C.



Answers

1. 720,1080,1200
2. 80,88
3. \$260,448
4. 60, 30, 15
5. 50:49
6. 210
7. Sam=\$3555.5 ; Ron=\$888.8; Gary=\$355.5
8. 6.3, 1.8
9. 120,000 women; women : total = 2:3
10. A=8, B=6, C=9