EduSahara™ Assignment

Name : Word Problems on Ratios

Chapter : Ratio and Proportion

Grade : ICSE Grade VI

1. A certain amount has been divided into two parts in the ratio 9 : 2. If the first part is 297, find the total amount.

   (i) 364 (ii) 360 (iii) 362 (iv) 365 (v) 363

2. Divide ₹83700 into three parts such that the first one is $\frac{9}{4}$ of the second and ratio between second and the third is 5 : 7

   (i) ₹40500.00 : ₹18000.00 : ₹18000.00 (ii) ₹18000.00 : ₹25200.00 : ₹40500.00

   (iii) ₹40500.00 : ₹25200.00 : ₹18000.00 (iv) ₹40500.00 : ₹18000.00 : ₹25200.00

   (v) ₹25200.00 : ₹40500.00 : ₹18000.00

3. Divide ₹24000 among A,B,C so that A shall receive $\frac{4}{11}$ of what B and C together recieve and B may receive $\frac{8}{7}$ of what A and C receive

   (i) ₹6400.00 : ₹12800.00 : ₹4800.00 (ii) ₹4800.00 : ₹6400.00 : ₹12800.00

   (iii) ₹6400.00 : ₹12800.00 : ₹12800.00 (iv) ₹12800.00 : ₹4800.00 : ₹6400.00

   (v) ₹6400.00 : ₹4800.00 : ₹12800.00

4. A bag contains ₹1450 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 20 : 17 : 11. Find the number of coins of each type

   (i) 198 , 175 , 110 (ii) 202 , 165 , 110 (iii) 200 , 170 , 110 (iv) 199 , 170 , 115 (v) 201 , 175 , 105

5. The sides of a triangle are in the ratio $\frac{1}{5} : \frac{1}{7} : \frac{1}{6}$ and its perimeter is 1605 cm.

   Find the lengths of the sides of the triangle

   (i) 635 cm : 450 cm : 520 cm (ii) 625 cm : 455 cm : 525 cm (iii) 625 cm : 450 cm : 530 cm

   (iv) 630 cm : 450 cm : 525 cm (v) 635 cm : 445 cm : 525 cm

6. An office contains 406 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 6 : 2 : 5 : 1. The number of managers in the office =

   (i) 176 (ii) 172 (iii) 173 (iv) 175 (v) 174

7. An office contains 451 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 1 : 4 : 1. The number of team leaders in the office =

   (i) 41 (ii) 40 (iii) 39 (iv) 43 (v) 42

8. An office contains 150 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 2 : 1 : 5 : 2. The number of developers in the office =

   (i) 76 (ii) 78 (iii) 74 (iv) 72 (v) 75

9. An office contains 180 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 2 : 5 : 1 : 7. The number of testers in the office =

(i) 83 (ii) 84 (iii) 81 (iv) 85 (v) 87

10. An office contains 40 managers, 20 team leaders, 140 developers and 60 testers. The ratio of all employees in the office =

(i) 1:1:7:3 (ii) 2:-1:7:3 (iii) 2:1:7:3 (iv) 2:4:7:3 (v) 3:1:7:3

11. An office contains 300 managers, 420 team leaders, 120 developers and 60 testers. The ratio of managers and team leaders =

(i) 4:7 (ii) 5:9 (iii) 5:7 (iv) 6:7 (v) 5:4

12. An office contains 378 managers, 315 team leaders, 252 developers and 441 testers. The ratio of managers to the total employees =

(i) 3:11 (ii) 3:9 (iii) 2:11 (iv) 4:11 (v) 3:13

13. An office contains 480 employees of 4 types. There are 224 managers and 96 team leaders. The developers and testers are in the ratio 2 : 3. The number of developers in the office =

(i) 65 (ii) 62 (iii) 63 (iv) 66 (v) 64

14. A box contains 767 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 6 : 4 : 3. The number of apples in the box =

(i) 237 (ii) 236 (iii) 238 (iv) 235 (v) 233

15. A box contains 160 mangoes, 192 apples and 32 oranges. The ratio of all fruits in the box =

(i) 4:6:1 (ii) 5:3:1 (iii) 5:6:1 (iv) 6:6:1 (v) 5:9:1

16. A box contains 204 mangoes, 238 apples and 34 oranges. The ratio of mangoes and apples =

(i) 6:5 (ii) 6:9 (iii) 6:7 (iv) 7:7 (v) 5:7

17. A box contains 550 stationary items of 2 types. The pens and pencils are in the ratio 7 : 3. The number of pens in the box =

(i) 388 (ii) 385 (iii) 386 (iv) 384 (v) 382

18. A box contains 462 stationary items of 2 types. The pens and pencils are in the ratio 5 : 2. The number of pencils in the box =

(i) 130 (ii) 132 (iii) 131 (iv) 135 (v) 133

19. A box contains 115 pens and 23 pencils. The ratio of all stationary items in the box =

(i) 5:-2 (ii) 5:3 (iii) 6:1 (iv) 4:1 (v) 5:1

20. A box contains 136 pens and 476 pencils. The ratio of pencils to the total stationary items =

(i) 8:9 (ii) 6:9 (iii) 7:7 (iv) 7:9 (v) 7:11

Assignment Key

1) (v)	2) (iv)	3) (i)	4) (iii)	5) (iv)	6) (v)
7) (i)	8) (v)	9) (ii)	10) (iii)	11) (iii)	12) (i)
13) (v)	14) (ii)	15) (iii)	16) (iii)	17) (ii)	18) (ii)
19) (v)	20) (iv)				