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 3 : 9. If the first part is 117, find the total amount.

   (i) 468 (ii) 467 (iii) 465 (iv) 470 (v) 469

2. Divide ₹24800 into three parts such that the first one is $\frac{7}{3}$ of the second and ratio between second and the third is 5 : 4

   (i) ₹6000.00 : ₹4800.00 : ₹14000.00 (ii) ₹14000.00 : ₹4800.00 : ₹6000.00 (iii) ₹14000.00 : ₹6000.00 : ₹4800.00

   (iv) ₹14000.00 : ₹6000.00 : ₹6000.00 (v) ₹4800.00 : ₹14000.00 : ₹6000.00

3. Divide ₹33000 among A,B,C so that A shall receive $\frac{27}{28}$ of what B and C together recieve and B may receive $\frac{18}{37}$ of what A and C receive

   (i) ₹16200.00 : ₹10800.00 : ₹10800.00 (ii) ₹16200.00 : ₹10800.00 : ₹6000.00

   (iii) ₹10800.00 : ₹6000.00 : ₹16200.00 (iv) ₹6000.00 : ₹16200.00 : ₹10800.00

   (v) ₹16200.00 : ₹6000.00 : ₹10800.00

4. A bag contains ₹1602 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 10 : 15 : 9. Find the number of coins of each type

   (i) 178 , 275 , 162 (ii) 181 , 275 , 157 (iii) 180 , 270 , 162 (iv) 182 , 265 , 162 (v) 179 , 270 , 167

5. The sides of a triangle are in the ratio $\frac{1}{2} : \frac{1}{4} : \frac{1}{9}$ and its perimeter is 310 cm.

   Find the lengths of the sides of the triangle

   (i) 175 cm : 95 cm : 40 cm (ii) 185 cm : 85 cm : 40 cm (iii) 175 cm : 90 cm : 45 cm (iv) 180 cm : 90 cm : 40 cm

   (v) 185 cm : 90 cm : 35 cm

6. An office contains 630 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 4 : 3 : 1. The number of managers in the office =

   (i) 67 (ii) 71 (iii) 69 (iv) 70 (v) 72

7. An office contains 1155 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 7 : 2 : 5 : 7. The number of team leaders in the office =

   (i) 110 (ii) 113 (iii) 109 (iv) 111 (v) 108

8. An office contains 231 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 6 : 7 : 1 : 7. The number of developers in the office =

   (i) 10 (ii) 14 (iii) 11 (iv) 12 (v) 9

9. An office contains 286 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 2 : 1 : 3. The number of testers in the office =

   (i) 79 (ii) 80 (iii) 78 (iv) 75 (v) 77

10. An office contains 140 managers, 28 team leaders, 84 developers and 56 testers. The ratio of all employees in the office =

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

11. An office contains 111 managers, 74 team leaders, 185 developers and 74 testers. The ratio of managers and team leaders =

(i) 3:4 (ii) 3:2 (iii) 4:2 (iv) 3:0 (v) 2:2

12. An office contains 50 managers, 30 team leaders, 10 developers and 20 testers. The ratio of managers to the total employees =

(i) 4:11 (ii) 6:11 (iii) 5:13 (iv) 5:11 (v) 5:9

13. An office contains 918 employees of 4 types. There are 306 managers and 357 team leaders. The developers and testers are in the ratio 2 : 3. The number of developers in the office =

(i) 99 (ii) 105 (iii) 101 (iv) 103 (v) 102

14. A box contains 276 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 6 : 2 : 4. The number of apples in the box =

(i) 46 (ii) 47 (iii) 45 (iv) 44 (v) 48

15. A box contains 75 mangoes, 45 apples and 15 oranges. The ratio of all fruits in the box =

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

16. A box contains 150 mangoes, 175 apples and 100 oranges. The ratio of mangoes and apples =

(i) 5:7 (ii) 6:5 (iii) 6:10 (iv) 6:7 (v) 7:7

17. A box contains 252 stationary items of 2 types. The pens and pencils are in the ratio 4 : 5. The number of pens in the box =

(i) 110 (ii) 114 (iii) 111 (iv) 113 (v) 112

18. A box contains 720 stationary items of 2 types. The pens and pencils are in the ratio 7 : 5. The number of pencils in the box =

(i) 299 (ii) 300 (iii) 298 (iv) 302 (v) 301

19. A box contains 212 pens and 265 pencils. The ratio of all stationary items in the box =

(i) 3:5 (ii) 4:5 (iii) 5:5 (iv) 4:7 (v) 4:2

20. A box contains 287 pens and 123 pencils. The ratio of pencils to the total stationary items =

(i) 3:10 (ii) 3:12 (iii) 2:10 (iv) 4:10 (v) 3:8

Assignment Key

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