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 7 : 8. If the first part is 217, find the total amount.

   (i) 466 (ii) 462 (iii) 464 (iv) 465 (v) 468

2. Divide ₹112800 into three parts such that the first one is $\frac{2}{3}$ of the second and ratio between second and the third is 7 : 4

   (i) ₹50400.00 : ₹28800.00 : ₹33600.00 (ii) ₹33600.00 : ₹50400.00 : ₹50400.00

   (iii) ₹28800.00 : ₹33600.00 : ₹50400.00 (iv) ₹33600.00 : ₹50400.00 : ₹28800.00

   (v) ₹33600.00 : ₹28800.00 : ₹50400.00

3. Divide ₹59000 among A,B,C so that A shall receive $\frac{14}{45}$ of what B and C together recieve and B may receive $\frac{18}{41}$ of what A and C receive

   (i) ₹18000.00 : ₹27000.00 : ₹14000.00 (ii) ₹14000.00 : ₹27000.00 : ₹18000.00

   (iii) ₹14000.00 : ₹18000.00 : ₹27000.00 (iv) ₹27000.00 : ₹14000.00 : ₹18000.00

   (v) ₹14000.00 : ₹18000.00 : ₹18000.00

4. A bag contains ₹455 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 5 : 3 : 4. Find the number of coins of each type

   (i) 66 , 44 , 47 (ii) 67 , 34 , 52 (iii) 63 , 44 , 52 (iv) 64 , 39 , 57 (v) 65 , 39 , 52

5. The sides of a triangle are in the ratio $\frac{1}{5} : \frac{1}{9} : \frac{1}{5}$ and its perimeter is 1380 cm.

   Find the lengths of the sides of the triangle

   (i) 535 cm : 300 cm : 545 cm (ii) 545 cm : 300 cm : 535 cm (iii) 540 cm : 300 cm : 540 cm

   (iv) 545 cm : 295 cm : 540 cm (v) 535 cm : 305 cm : 540 cm

6. An office contains 938 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 4 : 7 : 1 : 2. The number of managers in the office =

   (i) 269 (ii) 267 (iii) 265 (iv) 270 (v) 268

7. An office contains 273 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 7 : 3 : 2 : 1. The number of team leaders in the office =

   (i) 63 (ii) 62 (iii) 65 (iv) 64 (v) 60

8. An office contains 988 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 3 : 6 : 5. The number of developers in the office =

   (i) 312 (ii) 315 (iii) 311 (iv) 313 (v) 309

9. An office contains 210 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 4 : 7 : 2 : 1. The number of testers in the office =

(i) 17 (ii) 15 (iii) 13 (iv) 16 (v) 14

10. An office contains 90 managers, 210 team leaders, 180 developers and 60 testers. The ratio of all employees in the office =

(i) 3:4:6:2 (ii) 2:7:6:2 (iii) 3:7:6:2 (iv) 3:10:6:2 (v) 4:7:6:2

11. An office contains 216 managers, 324 team leaders, 54 developers and 270 testers. The ratio of managers and team leaders =

(i) 2:5 (ii) 1:3 (iii) 3:3 (iv) 2:0 (v) 2:3

12. An office contains 210 managers, 90 team leaders, 150 developers and 210 testers. The ratio of managers to the total employees =

(i) 7:25 (ii) 6:22 (iii) 8:22 (iv) 7:20 (v) 7:22

13. An office contains 432 employees of 4 types. There are 216 managers and 36 team leaders. The developers and testers are in the ratio 4 : 1. The number of developers in the office =

(i) 144 (ii) 145 (iii) 146 (iv) 143 (v) 142

14. A box contains 700 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 6 : 3 : 1. The number of apples in the box =

(i) 211 (ii) 207 (iii) 210 (iv) 212 (v) 209

15. A box contains 231 mangoes, 132 apples and 33 oranges. The ratio of all fruits in the box =

(i) 7:4:1 (ii) 8:4:1 (iii) 7:2:1 (iv) 7:7:1 (v) 6:4:1

16. A box contains 60 mangoes, 72 apples and 24 oranges. The ratio of mangoes and apples =

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

17. A box contains 80 stationary items of 2 types. The pens and pencils are in the ratio 2 : 6. The number of pens in the box =

(i) 20 (ii) 21 (iii) 19 (iv) 23 (v) 17

18. A box contains 160 stationary items of 2 types. The pens and pencils are in the ratio 7 : 1. The number of pencils in the box =

(i) 23 (ii) 19 (iii) 21 (iv) 17 (v) 20

19. A box contains 75 pens and 15 pencils. The ratio of all stationary items in the box =

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

20. A box contains 106 pens and 265 pencils. The ratio of pencils to the total stationary items =

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

Assignment Key

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