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 : 2. If the first part is 147, find the total amount.

   (i) 189 (ii) 191 (iii) 190 (iv) 188 (v) 187

2. Divide ₹48600 into three parts such that the first one is $\frac{1}{2}$ of the second and ratio between second and the third is 5 : 6

   (i) ₹9000.00 : ₹18000.00 : ₹18000.00 (ii) ₹9000.00 : ₹21600.00 : ₹18000.00

   (iii) ₹9000.00 : ₹18000.00 : ₹21600.00 (iv) ₹18000.00 : ₹21600.00 : ₹9000.00

   (v) ₹21600.00 : ₹9000.00 : ₹18000.00

3. Divide ₹20500 among A,B,C so that A shall receive $\frac{21}{20}$ of what B and C together recieve and B may receive $\frac{6}{35}$ of what A and C receive

   (i) ₹3000.00 : ₹7000.00 : ₹10500.00 (ii) ₹10500.00 : ₹3000.00 : ₹7000.00 (iii) ₹10500.00 : ₹7000.00 : ₹3000.00

   (iv) ₹10500.00 : ₹3000.00 : ₹3000.00 (v) ₹7000.00 : ₹10500.00 : ₹3000.00

4. A bag contains ₹2740 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 19 : 12 : 18. Find the number of coins of each type

   (i) 381 , 245 , 355 (ii) 379 , 240 , 365 (iii) 378 , 245 , 360 (iv) 380 , 240 , 360 (v) 382 , 235 , 360

5. The sides of a triangle are in the ratio $\frac{1}{9} : \frac{1}{4} : \frac{1}{2}$ and its perimeter is 341 cm.

   Find the lengths of the sides of the triangle

   (i) 44 cm : 99 cm : 198 cm (ii) 49 cm : 94 cm : 198 cm (iii) 39 cm : 104 cm : 198 cm (iv) 49 cm : 99 cm : 193 cm

   (v) 39 cm : 99 cm : 203 cm

6. An office contains 572 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 3 : 2 : 3. The number of managers in the office =

   (i) 220 (ii) 219 (iii) 218 (iv) 221 (v) 222

7. An office contains 1240 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 7 : 4 : 6 : 3. The number of team leaders in the office =

   (i) 246 (ii) 250 (iii) 249 (iv) 247 (v) 248

8. An office contains 944 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 4 : 7 : 4. The number of developers in the office =

   (i) 416 (ii) 411 (iii) 414 (iv) 412 (v) 413

9. An office contains 663 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 7 : 4 : 1. The number of testers in the office =

   (i) 52 (ii) 48 (iii) 51 (iv) 53 (v) 50

10. An office contains 318 managers, 265 team leaders, 371 developers and 159 testers. The ratio of all employees in the office =

(i) 7:5:7:3 (ii) 5:5:7:3 (iii) 6:7:7:3 (iv) 6:3:7:3 (v) 6:5:7:3

11. An office contains 100 managers, 350 team leaders, 300 developers and 250 testers. The ratio of managers and team leaders =

(i) 3:7 (ii) 2:4 (iii) 2:9 (iv) 1:7 (v) 2:7

12. An office contains 36 managers, 216 team leaders, 252 developers and 72 testers. The ratio of managers to the total employees =

(i) 1:16 (ii) 1:19 (iii) 0:16 (iv) 1:14 (v) 2:16

13. An office contains 299 employees of 4 types. There are 23 managers and 92 team leaders. The developers and testers are in the ratio 5 : 3. The number of developers in the office =

(i) 116 (ii) 118 (iii) 112 (iv) 114 (v) 115

14. A box contains 442 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 4 : 6 : 7. The number of apples in the box =

(i) 156 (ii) 157 (iii) 158 (iv) 155 (v) 154

15. A box contains 60 mangoes, 48 apples and 12 oranges. The ratio of all fruits in the box =

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

16. A box contains 26 mangoes, 91 apples and 13 oranges. The ratio of mangoes and apples =

(i) 3:7 (ii) 2:7 (iii) 2:10 (iv) 2:5 (v) 1:7

17. A box contains 225 stationary items of 2 types. The pens and pencils are in the ratio 4 : 5. The number of pens in the box =

(i) 103 (ii) 98 (iii) 101 (iv) 100 (v) 99

18. A box contains 264 stationary items of 2 types. The pens and pencils are in the ratio 5 : 7. The number of pencils in the box =

(i) 153 (ii) 151 (iii) 157 (iv) 154 (v) 155

19. A box contains 114 pens and 76 pencils. The ratio of all stationary items in the box =

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

20. A box contains 124 pens and 62 pencils. The ratio of pencils to the total stationary items =

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

Assignment Key

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