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 : 6. If the first part is 154, find the total amount.

   (i) 285 (ii) 288 (iii) 284 (iv) 287 (v) 286

2. Divide ₹22500 into three parts such that the first one is $\frac{3}{1}$ of the second and ratio between second and the third is 2 : 7

   (i) ₹9000.00 : ₹10500.00 : ₹3000.00 (ii) ₹9000.00 : ₹3000.00 : ₹3000.00 (iii) ₹3000.00 : ₹10500.00 : ₹9000.00

   (iv) ₹10500.00 : ₹9000.00 : ₹3000.00 (v) ₹9000.00 : ₹3000.00 : ₹10500.00

3. Divide ₹29000 among A,B,C so that A shall receive $\frac{16}{13}$ of what B and C together recieve and B may receive $\frac{8}{21}$ of what A and C receive

   (i) ₹8000.00 : ₹5000.00 : ₹16000.00 (ii) ₹16000.00 : ₹5000.00 : ₹8000.00 (iii) ₹16000.00 : ₹8000.00 : ₹8000.00

   (iv) ₹5000.00 : ₹16000.00 : ₹8000.00 (v) ₹16000.00 : ₹8000.00 : ₹5000.00

4. A bag contains ₹1269 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 20 : 14 : 13. Find the number of coins of each type

   (i) 181 , 131 , 112 (ii) 182 , 121 , 117 (iii) 180 , 126 , 117 (iv) 179 , 126 , 122 (v) 178 , 131 , 117

5. The sides of a triangle are in the ratio $\frac{1}{5} : \frac{1}{6} : \frac{1}{4}$ and its perimeter is 666 cm.

   Find the lengths of the sides of the triangle

   (i) 221 cm : 175 cm : 270 cm (ii) 211 cm : 180 cm : 275 cm (iii) 216 cm : 180 cm : 270 cm

   (iv) 221 cm : 180 cm : 265 cm (v) 211 cm : 185 cm : 270 cm

6. An office contains 360 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 4 : 1 : 4 : 6. The number of managers in the office =

   (i) 96 (ii) 98 (iii) 97 (iv) 93 (v) 95

7. An office contains 588 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 2 : 1 : 5 : 4. The number of team leaders in the office =

   (i) 50 (ii) 48 (iii) 51 (iv) 47 (v) 49

8. An office contains 288 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 2 : 3 : 4 : 7. The number of developers in the office =

   (i) 72 (ii) 70 (iii) 73 (iv) 71 (v) 74

9. An office contains 238 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 2 : 3 : 4 : 5. The number of testers in the office =

   (i) 87 (ii) 86 (iii) 84 (iv) 85 (v) 82

10. An office contains 276 managers, 138 team leaders, 92 developers and 276 testers. The ratio of all employees in the office =

(i) 6:3:2:6 (ii) 7:3:2:6 (iii) 6:1:2:6 (iv) 5:3:2:6 (v) 6:5:2:6

11. An office contains 84 managers, 72 team leaders, 48 developers and 60 testers. The ratio of managers and team leaders =

(i) 7:9 (ii) 6:6 (iii) 7:3 (iv) 7:6 (v) 8:6

12. An office contains 188 managers, 141 team leaders, 94 developers and 282 testers. The ratio of managers to the total employees =

(i) 5:15 (ii) 3:15 (iii) 4:18 (iv) 4:15 (v) 4:13

13. An office contains 798 employees of 4 types. There are 84 managers and 210 team leaders. The developers and testers are in the ratio 7 : 5. The number of developers in the office =

(i) 294 (ii) 297 (iii) 292 (iv) 295 (v) 293

14. A box contains 272 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 5 : 7 : 5. The number of apples in the box =

(i) 112 (ii) 113 (iii) 115 (iv) 110 (v) 111

15. A box contains 174 mangoes, 290 apples and 406 oranges. The ratio of all fruits in the box =

(i) 4:5:7 (ii) 3:8:7 (iii) 2:5:7 (iv) 3:2:7 (v) 3:5:7

16. A box contains 17 mangoes, 34 apples and 51 oranges. The ratio of mangoes and apples =

(i) 1:4 (ii) 2:2 (iii) 0:2 (iv) 1:2 (v) 1:-1

17. A box contains 252 stationary items of 2 types. The pens and pencils are in the ratio 6 : 1. The number of pens in the box =

(i) 215 (ii) 214 (iii) 217 (iv) 216 (v) 219

18. A box contains 162 stationary items of 2 types. The pens and pencils are in the ratio 6 : 3. The number of pencils in the box =

(i) 53 (ii) 55 (iii) 51 (iv) 56 (v) 54

19. A box contains 378 pens and 315 pencils. The ratio of all stationary items in the box =

(i) 7:5 (ii) 6:5 (iii) 6:3 (iv) 5:5 (v) 6:8

20. A box contains 340 pens and 476 pencils. The ratio of pencils to the total stationary items =

(i) 7:12 (ii) 7:15 (iii) 8:12 (iv) 7:10 (v) 6:12

Assignment Key

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