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 196, find the total amount.

   (i) 419 (ii) 418 (iii) 421 (iv) 422 (v) 420

2. Divide ₹7600 into three parts such that the first one is $\frac{2}{5}$ of the second and ratio between second and the third is 2 : 1

   (i) ₹1600.00 : ₹2000.00 : ₹4000.00 (ii) ₹4000.00 : ₹2000.00 : ₹1600.00 (iii) ₹1600.00 : ₹4000.00 : ₹2000.00

   (iv) ₹2000.00 : ₹1600.00 : ₹4000.00 (v) ₹1600.00 : ₹4000.00 : ₹4000.00

3. Divide ₹13200 among A,B,C so that A shall receive $\frac{5}{28}$ of what B and C together recieve and B may receive $\frac{7}{26}$ of what A and C receive

   (i) ₹2000.00 : ₹8400.00 : ₹2800.00 (ii) ₹2000.00 : ₹2800.00 : ₹2800.00 (iii) ₹8400.00 : ₹2000.00 : ₹2800.00

   (iv) ₹2000.00 : ₹2800.00 : ₹8400.00 (v) ₹2800.00 : ₹8400.00 : ₹2000.00

4. A bag contains ₹1566 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 7 : 19 : 14. Find the number of coins of each type

   (i) 128 , 337 , 252 (ii) 126 , 342 , 252 (iii) 124 , 347 , 252 (iv) 125 , 342 , 257 (v) 127 , 347 , 247

5. The sides of a triangle are in the ratio $\frac{1}{7} : \frac{1}{3} : \frac{1}{5}$ and its perimeter is 1065 cm.

   Find the lengths of the sides of the triangle

   (i) 230 cm : 520 cm : 315 cm (ii) 230 cm : 525 cm : 310 cm (iii) 220 cm : 525 cm : 320 cm

   (iv) 225 cm : 525 cm : 315 cm (v) 220 cm : 530 cm : 315 cm

6. An office contains 682 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 2 : 3 : 5 : 1. The number of managers in the office =

   (i) 125 (ii) 122 (iii) 124 (iv) 126 (v) 123

7. An office contains 486 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 6 : 7 : 2 : 3. The number of team leaders in the office =

   (i) 189 (ii) 190 (iii) 188 (iv) 186 (v) 191

8. An office contains 384 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 3 : 2 : 6 : 1. The number of developers in the office =

   (i) 194 (ii) 193 (iii) 190 (iv) 191 (v) 192

9. An office contains 621 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 4 : 1 : 3 : 1. The number of testers in the office =

   (i) 68 (ii) 70 (iii) 66 (iv) 69 (v) 72

10. An office contains 29 managers, 145 team leaders, 116 developers and 174 testers. The ratio of all employees in the office =

(i) 1:8:4:6 (ii) 2:5:4:6 (iii) 1:5:4:6 (iv) 1:2:4:6 (v) 0:5:4:6

11. An office contains 15 managers, 75 team leaders, 30 developers and 105 testers. The ratio of managers and team leaders =

(i) 1:5 (ii) 1:7 (iii) 0:5 (iv) 2:5 (v) 1:3

12. An office contains 399 managers, 57 team leaders, 171 developers and 342 testers. The ratio of managers to the total employees =

(i) 7:19 (ii) 8:17 (iii) 6:17 (iv) 7:17 (v) 7:14

13. An office contains 585 employees of 4 types. There are 117 managers and 78 team leaders. The developers and testers are in the ratio 3 : 2. The number of developers in the office =

(i) 236 (ii) 234 (iii) 233 (iv) 232 (v) 235

14. A box contains 705 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 2 : 7 : 6. The number of apples in the box =

(i) 327 (ii) 329 (iii) 332 (iv) 328 (v) 330

15. A box contains 180 mangoes, 120 apples and 180 oranges. The ratio of all fruits in the box =

(i) 6:4:6 (ii) 6:7:6 (iii) 5:4:6 (iv) 7:4:6 (v) 6:2:6

16. A box contains 116 mangoes, 174 apples and 116 oranges. The ratio of mangoes and apples =

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

17. A box contains 266 stationary items of 2 types. The pens and pencils are in the ratio 2 : 5. The number of pens in the box =

(i) 77 (ii) 75 (iii) 78 (iv) 74 (v) 76

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

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

19. A box contains 212 pens and 159 pencils. The ratio of all stationary items in the box =

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

20. A box contains 216 pens and 270 pencils. The ratio of pencils to the total stationary items =

(i) 6:9 (ii) 5:12 (iii) 5:9 (iv) 5:7 (v) 4:9

Assignment Key

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