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

2. Divide ₹56000 into three parts such that the first one is $\frac{5}{6}$ of the second and ratio between second and the third is 1 : 4

   (i) ₹38400.00 : ₹8000.00 : ₹9600.00 (ii) ₹8000.00 : ₹9600.00 : ₹38400.00 (iii) ₹8000.00 : ₹38400.00 : ₹9600.00

   (iv) ₹9600.00 : ₹38400.00 : ₹8000.00 (v) ₹8000.00 : ₹9600.00 : ₹9600.00

3. Divide ₹135900 among A,B,C so that A shall receive $\frac{32}{119}$ of what B and C together recieve and B may receive $\frac{56}{95}$ of what A and C receive

   (i) ₹28800.00 : ₹50400.00 : ₹50400.00 (ii) ₹50400.00 : ₹56700.00 : ₹28800.00

   (iii) ₹56700.00 : ₹28800.00 : ₹50400.00 (iv) ₹28800.00 : ₹56700.00 : ₹50400.00

   (v) ₹28800.00 : ₹50400.00 : ₹56700.00

4. A bag contains ₹620 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 18 : 9 : 16. Find the number of coins of each type

   (i) 92 , 40 , 80 (ii) 88 , 50 , 80 (iii) 89 , 45 , 85 (iv) 91 , 50 , 75 (v) 90 , 45 , 80

5. The sides of a triangle are in the ratio $\frac{1}{6} : \frac{1}{5} : \frac{1}{9}$ and its perimeter is 473 cm.

   Find the lengths of the sides of the triangle

   (i) 160 cm : 203 cm : 110 cm (ii) 160 cm : 198 cm : 115 cm (iii) 165 cm : 198 cm : 110 cm

   (iv) 170 cm : 193 cm : 110 cm (v) 170 cm : 198 cm : 105 cm

6. An office contains 1586 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 6 : 7 : 6 : 7. The number of managers in the office =

   (i) 365 (ii) 363 (iii) 366 (iv) 369 (v) 367

7. An office contains 440 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 4 : 3 : 2. The number of team leaders in the office =

   (i) 177 (ii) 178 (iii) 175 (iv) 176 (v) 173

8. An office contains 525 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 3 : 2 : 5. The number of developers in the office =

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

9. An office contains 990 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 7 : 1 : 2 : 5. The number of testers in the office =

   (i) 329 (ii) 331 (iii) 332 (iv) 327 (v) 330

10. An office contains 188 managers, 235 team leaders, 94 developers and 235 testers. The ratio of all employees in the office =

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

11. An office contains 340 managers, 408 team leaders, 68 developers and 476 testers. The ratio of managers and team leaders =

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

12. An office contains 402 managers, 134 team leaders, 67 developers and 201 testers. The ratio of managers to the total employees =

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

13. An office contains 920 employees of 4 types. There are 276 managers and 322 team leaders. The developers and testers are in the ratio 1 : 6. The number of developers in the office =

(i) 47 (ii) 46 (iii) 45 (iv) 44 (v) 49

14. A box contains 350 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 4 : 7 : 3. The number of apples in the box =

(i) 174 (ii) 172 (iii) 175 (iv) 176 (v) 177

15. A box contains 140 mangoes, 70 apples and 245 oranges. The ratio of all fruits in the box =

(i) 5:2:7 (ii) 4:-1:7 (iii) 4:4:7 (iv) 4:2:7 (v) 3:2:7

16. A box contains 69 mangoes, 138 apples and 69 oranges. The ratio of mangoes and apples =

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

17. A box contains 240 stationary items of 2 types. The pens and pencils are in the ratio 1 : 3. The number of pens in the box =

(i) 59 (ii) 62 (iii) 61 (iv) 60 (v) 58

18. A box contains 513 stationary items of 2 types. The pens and pencils are in the ratio 6 : 3. The number of pencils in the box =

(i) 171 (ii) 170 (iii) 172 (iv) 173 (v) 168

19. A box contains 70 pens and 84 pencils. The ratio of all stationary items in the box =

(i) 6:6 (ii) 5:8 (iii) 5:3 (iv) 5:6 (v) 4:6

20. A box contains 252 pens and 84 pencils. The ratio of pencils to the total stationary items =

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

Assignment Key

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