EduSahara™ Assignment

Name : Word Problems on Ratios

Chapter : Ratio and Proportion

Grade : SSC Grade VI

1. A bag contains ₹1311 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 9 : 7 : 10. Find the number of coins of each type

   (i) 173 , 128 , 190 (ii) 172 , 138 , 185 (iii) 170 , 133 , 195 (iv) 171 , 133 , 190 (v) 169 , 138 , 190

2. The sides of a triangle are in the ratio $\frac{1}{2} : \frac{1}{6} : \frac{1}{8}$ and its perimeter is 304 cm.

   Find the lengths of the sides of the triangle

   (i) 187 cm : 69 cm : 48 cm (ii) 197 cm : 64 cm : 43 cm (iii) 192 cm : 64 cm : 48 cm (iv) 187 cm : 64 cm : 53 cm

   (v) 197 cm : 59 cm : 48 cm

3. An office contains 684 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 3 : 5 : 4 : 7. The number of managers in the office =

   (i) 109 (ii) 108 (iii) 107 (iv) 105 (v) 110

4. An office contains 448 managers, 320 team leaders, 64 developers and 384 testers. The ratio of all employees in the office =

   (i) 8:5:1:6 (ii) 7:7:1:6 (iii) 7:5:1:6 (iv) 6:5:1:6 (v) 7:2:1:6

5. An office contains 13 managers, 39 team leaders, 65 developers and 13 testers. The ratio of managers and developers =

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

6. An office contains 172 managers, 258 team leaders, 129 developers and 43 testers. The ratio of managers and testers =

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

7. An office contains 330 managers, 110 team leaders, 165 developers and 220 testers. The ratio of team leaders and developers =

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

8. An office contains 256 managers, 128 team leaders, 384 developers and 192 testers. The ratio of team leaders and testers =

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

9. An office contains 156 managers, 104 team leaders, 364 developers and 52 testers. The ratio of developers and testers =

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

10. An office contains 180 managers, 210 team leaders, 150 developers and 210 testers. The ratio of managers to the total employees =

    (i) 7:25 (ii) 5:25 (iii) 6:25 (iv) 6:23 (v) 6:28

11. An office contains 256 managers, 192 team leaders, 256 developers and 192 testers. The ratio of team leaders to the total employees =

(i) 3:17 (ii) 3:12 (iii) 4:14 (iv) 3:14 (v) 2:14

12. An office contains 60 managers, 72 team leaders, 48 developers and 36 testers. The ratio of developers to the total employees =

(i) 2:11 (ii) 2:9 (iii) 2:7 (iv) 1:9 (v) 3:9

13. An office contains 372 managers, 62 team leaders, 372 developers and 124 testers. The ratio of testers to the total employees =

(i) 2:15 (ii) 2:13 (iii) 1:15 (iv) 2:18 (v) 3:15

14. An office contains 238 employees of 4 types. There are 51 managers and 85 team leaders. The developers and testers are in the ratio 2 : 1. The number of developers in the office =

(i) 69 (ii) 68 (iii) 66 (iv) 70 (v) 67

15. An office contains 323 employees of 4 types. There are 19 managers and 114 team leaders. The developers and testers are in the ratio 7 : 3. The number of testers in the office =

(i) 55 (ii) 57 (iii) 56 (iv) 58 (v) 60

16. A box contains 420 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 3 : 1 : 2. The number of mangoes in the box =

(i) 209 (ii) 213 (iii) 207 (iv) 211 (v) 210

17. A box contains 90 mangoes, 30 apples and 15 oranges. The ratio of all fruits in the box =

(i) 5:2:1 (ii) 6:0:1 (iii) 6:5:1 (iv) 6:2:1 (v) 7:2:1

18. A box contains 189 mangoes, 378 apples and 315 oranges. The ratio of mangoes and apples =

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

19. A box contains 16 mangoes, 80 apples and 16 oranges. The ratio of mangoes and oranges =

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

20. A box contains 69 mangoes, 207 apples and 138 oranges. The ratio of apples and oranges =

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

21. A box contains 156 mangoes, 117 apples and 273 oranges. The ratio of mangoes to the total fruits =

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

22. A box contains 114 mangoes, 38 apples and 190 oranges. The ratio of apples to the total fruits =

(i) 2:9 (ii) 1:11 (iii) 1:6 (iv) 0:9 (v) 1:9

23. A box contains 125 mangoes, 100 apples and 125 oranges. The ratio of oranges to the total fruits =

(i) 5:12 (ii) 6:14 (iii) 5:14 (iv) 4:14 (v) 5:16

24. A box contains 108 stationary items of 2 types. The pens and pencils are in the ratio 7 : 2. The number of pens in the box =

(i) 83 (ii) 84 (iii) 81 (iv) 87 (v) 85

25. A box contains 550 stationary items of 2 types. The pens and pencils are in the ratio 5 : 6. The number of pencils in the box =

(i) 300 (ii) 298 (iii) 301 (iv) 299 (v) 302

26. A box contains 434 pens and 62 pencils. The ratio of all stationary items in the box =

(i) 6:1 (ii) 7:3 (iii) 7:1 (iv) 7:-1 (v) 8:1

27. A box contains 207 pens and 414 pencils. The ratio of pens to the total stationary items =

(i) 0:3 (ii) 1:1 (iii) 2:3 (iv) 1:3 (v) 1:6

28. A box contains 136 pens and 68 pencils. The ratio of pencils to the total stationary items =

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

Assignment Key

1) (iv)	2) (iii)	3) (ii)	4) (iii)	5) (v)	6) (v)
7) (iv)	8) (iv)	9) (iv)	10) (iii)	11) (iv)	12) (ii)
13) (i)	14) (ii)	15) (ii)	16) (v)	17) (iv)	18) (iv)
19) (iv)	20) (iv)	21) (ii)	22) (v)	23) (iii)	24) (ii)
25) (i)	26) (iii)	27) (iv)	28) (ii)		