EduSahara™ Assignment

Name : Word Problems on Ratios

Chapter : Ratio and Proportion

Grade : SSC Grade VI

1. A bag contains ₹620 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 7 : 6 : 15. Find the number of coins of each type

   (i) 72 , 55 , 150 (ii) 70 , 60 , 150 (iii) 71 , 65 , 145 (iv) 68 , 65 , 150 (v) 69 , 60 , 155

2. The sides of a triangle are in the ratio $\frac{1}{3} : \frac{1}{5} : \frac{1}{3}$ and its perimeter is 702 cm.

   Find the lengths of the sides of the triangle

   (i) 270 cm : 162 cm : 270 cm (ii) 265 cm : 162 cm : 275 cm (iii) 265 cm : 167 cm : 270 cm

   (iv) 275 cm : 162 cm : 265 cm (v) 275 cm : 157 cm : 270 cm

3. An office contains 140 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 7 : 3 : 1 : 3. The number of managers in the office =

   (i) 71 (ii) 70 (iii) 69 (iv) 67 (v) 73

4. An office contains 66 managers, 110 team leaders, 22 developers and 110 testers. The ratio of all employees in the office =

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

5. An office contains 48 managers, 288 team leaders, 144 developers and 48 testers. The ratio of managers and developers =

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

6. An office contains 160 managers, 80 team leaders, 160 developers and 40 testers. The ratio of managers and testers =

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

7. An office contains 406 managers, 174 team leaders, 348 developers and 58 testers. The ratio of team leaders and developers =

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

8. An office contains 116 managers, 87 team leaders, 58 developers and 29 testers. The ratio of team leaders and testers =

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

9. An office contains 84 managers, 48 team leaders, 12 developers and 72 testers. The ratio of developers and testers =

   (i) 2 : 6 (ii) 1 : 6 (iii) 0 : 6 (iv) 1 : 8 (v) 1 : 3

10. An office contains 252 managers, 84 team leaders, 294 developers and 42 testers. The ratio of managers to the total employees =

    (i) 2 : 8 (ii) 4 : 8 (iii) 3 : 8 (iv) 3 : 6 (v) 3 : 10

11. An office contains 205 managers, 41 team leaders, 164 developers and 287 testers. The ratio of team leaders to the total employees =

(i) 1:17 (ii) 1:14 (iii) 1:20 (iv) 2:17 (v) 0:17

12. An office contains 192 managers, 256 team leaders, 448 developers and 128 testers. The ratio of developers to the total employees =

(i) 7:16 (ii) 8:16 (iii) 6:16 (iv) 7:13 (v) 7:18

13. An office contains 264 managers, 44 team leaders, 308 developers and 88 testers. The ratio of testers to the total employees =

(i) 2:8 (ii) 1:5 (iii) 0:8 (iv) 1:8 (v) 1:10

14. An office contains 703 employees of 4 types. There are 74 managers and 259 team leaders. The developers and testers are in the ratio 2 : 3. The number of developers in the office =

(i) 150 (ii) 147 (iii) 148 (iv) 149 (v) 146

15. An office contains 468 employees of 4 types. There are 208 managers and 52 team leaders. The developers and testers are in the ratio 3 : 1. The number of testers in the office =

(i) 52 (ii) 55 (iii) 50 (iv) 51 (v) 53

16. A box contains 432 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 7 : 4 : 5. The number of mangoes in the box =

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

17. A box contains 126 mangoes, 18 apples and 36 oranges. The ratio of all fruits in the box =

(i) 7:-2:2 (ii) 8:1:2 (iii) 7:1:2 (iv) 7:3:2 (v) 6:1:2

18. A box contains 128 mangoes, 32 apples and 64 oranges. The ratio of mangoes and apples =

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

19. A box contains 162 mangoes, 54 apples and 270 oranges. The ratio of mangoes and oranges =

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

20. A box contains 148 mangoes, 259 apples and 148 oranges. The ratio of apples and oranges =

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

21. A box contains 65 mangoes, 390 apples and 195 oranges. The ratio of mangoes to the total fruits =

(i) 1:12 (ii) 2:10 (iii) 1:8 (iv) 0:10 (v) 1:10

22. A box contains 88 mangoes, 66 apples and 132 oranges. The ratio of apples to the total fruits =

(i) 4:13 (ii) 2:13 (iii) 3:16 (iv) 3:11 (v) 3:13

23. A box contains 108 mangoes, 135 apples and 27 oranges. The ratio of oranges to the total fruits =

(i) 2:10 (ii) 0:10 (iii) 1:10 (iv) 1:12 (v) 1:7

24. A box contains 238 stationary items of 2 types. The pens and pencils are in the ratio 4 : 3. The number of pens in the box =

(i) 138 (ii) 136 (iii) 137 (iv) 135 (v) 133

25. A box contains 336 stationary items of 2 types. The pens and pencils are in the ratio 4 : 2. The number of pencils in the box =

(i) 110 (ii) 111 (iii) 112 (iv) 113 (v) 114

26. A box contains 104 pens and 130 pencils. The ratio of all stationary items in the box =

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

27. A box contains 144 pens and 240 pencils. The ratio of pens to the total stationary items =

(i) 3:8 (ii) 3:11 (iii) 4:8 (iv) 3:5 (v) 2:8

28. A box contains 372 pens and 62 pencils. The ratio of pencils to the total stationary items =

(i) 1:5 (ii) 2:7 (iii) 1:7 (iv) 0:7 (v) 1:9

Assignment Key

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