EduSahara™ Assignment

Name : Word Problems on Ratios

Chapter : Ratio and Proportion

Grade : SSC Grade VI

1. A bag contains ₹1900 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 15 : 8 : 9. Find the number of coins of each type

   (i) 283 , 157 , 171 (ii) 285 , 152 , 171 (iii) 286 , 157 , 166 (iv) 284 , 152 , 176 (v) 287 , 147 , 171

2. The sides of a triangle are in the ratio $\frac{1}{9}:\frac{1}{5}:\frac{1}{9}$ and its perimeter is 323 cm.

   Find the lengths of the sides of the triangle

   (i) 85 cm : 153 cm : 85 cm (ii) 90 cm : 153 cm : 80 cm (iii) 80 cm : 158 cm : 85 cm (iv) 80 cm : 153 cm : 90 cm

   (v) 90 cm : 148 cm : 85 cm

3. An office contains 702 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 6 : 5 : 2 : 5. The number of managers in the office =

   (i) 232 (ii) 237 (iii) 235 (iv) 233 (v) 234

4. An office contains 102 managers, 34 team leaders, 17 developers and 119 testers. The ratio of all employees in the office =

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

5. An office contains 111 managers, 74 team leaders, 185 developers and 148 testers. The ratio of managers and developers =

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

6. An office contains 60 managers, 240 team leaders, 420 developers and 120 testers. The ratio of managers and testers =

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

7. An office contains 70 managers, 42 team leaders, 70 developers and 42 testers. The ratio of team leaders and developers =

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

8. An office contains 16 managers, 48 team leaders, 112 developers and 16 testers. The ratio of team leaders and testers =

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

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

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

10. An office contains 43 managers, 258 team leaders, 43 developers and 301 testers. The ratio of managers to the total employees =

    (i) 1:17 (ii) 1:13 (iii) 2:15 (iv) 0:15 (v) 1:15

11. An office contains 69 managers, 483 team leaders, 414 developers and 138 testers. The ratio of team leaders to the total employees =

(i) 6:16 (ii) 8:16 (iii) 7:16 (iv) 7:19 (v) 7:14

12. An office contains 96 managers, 72 team leaders, 144 developers and 120 testers. The ratio of developers to the total employees =

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

13. An office contains 30 managers, 45 team leaders, 75 developers and 105 testers. The ratio of testers to the total employees =

(i) 6:17 (ii) 7:20 (iii) 7:15 (iv) 7:17 (v) 8:17

14. An office contains 414 employees of 4 types. There are 138 managers and 23 team leaders. The developers and testers are in the ratio 7 : 4. The number of developers in the office =

(i) 161 (ii) 164 (iii) 158 (iv) 162 (v) 160

15. An office contains 1116 employees of 4 types. There are 372 managers and 248 team leaders. The developers and testers are in the ratio 3 : 5. The number of testers in the office =

(i) 311 (ii) 309 (iii) 308 (iv) 310 (v) 313

16. A box contains 480 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 1 : 3 : 4. The number of mangoes in the box =

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

17. A box contains 105 mangoes, 140 apples and 105 oranges. The ratio of all fruits in the box =

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

18. A box contains 329 mangoes, 141 apples and 188 oranges. The ratio of mangoes and apples =

(i) 7:3 (ii) 8:3 (iii) 7:5 (iv) 6:3 (v) 7:0

19. A box contains 72 mangoes, 36 apples and 72 oranges. The ratio of mangoes and oranges =

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

20. A box contains 70 mangoes, 10 apples and 20 oranges. The ratio of apples and oranges =

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

21. A box contains 345 mangoes, 207 apples and 138 oranges. The ratio of mangoes to the total fruits =

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

22. A box contains 469 mangoes, 268 apples and 67 oranges. The ratio of apples to the total fruits =

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

23. A box contains 20 mangoes, 60 apples and 80 oranges. The ratio of oranges to the total fruits =

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

24. A box contains 160 stationary items of 2 types. The pens and pencils are in the ratio 3 : 1. The number of pens in the box =

(i) 119 (ii) 121 (iii) 118 (iv) 120 (v) 123

25. A box contains 427 stationary items of 2 types. The pens and pencils are in the ratio 4 : 3. The number of pencils in the box =

(i) 185 (ii) 183 (iii) 182 (iv) 180 (v) 184

26. A box contains 42 pens and 168 pencils. The ratio of all stationary items in the box =

(i) 1:1 (ii) 1:4 (iii) 2:4 (iv) 0:4 (v) 1:7

27. A box contains 156 pens and 312 pencils. The ratio of pens to the total stationary items =

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

28. A box contains 27 pens and 135 pencils. The ratio of pencils to the total stationary items =

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

Assignment Key

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