EduSahara™ Assignment

Name : Word Problems on Ratios

Chapter : Ratio and Proportion

Grade : SSC Grade VI

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1. A bag contains ₹426 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 6 : 18 : 5. Find the number of coins of each type

   (i) 35 , 108 , 35 (ii) 37 , 113 , 25 (iii) 36 , 108 , 30 (iv) 38 , 103 , 30 (v) 34 , 113 , 30

2. The sides of a triangle are in the ratio $\frac{1}{2}:\frac{1}{7}:\frac{1}{9}$ and its perimeter is 1615 cm.

   Find the lengths of the sides of the triangle

   (i) 1066 cm : 311 cm : 238 cm (ii) 1076 cm : 301 cm : 238 cm (iii) 1076 cm : 306 cm : 233 cm

   (iv) 1066 cm : 306 cm : 243 cm (v) 1071 cm : 306 cm : 238 cm

3. An office contains 231 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 3 : 5 : 1 : 2. The number of managers in the office =

   (i) 62 (ii) 60 (iii) 65 (iv) 64 (v) 63

4. An office contains 124 managers, 31 team leaders, 62 developers and 217 testers. The ratio of all employees in the office =

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

5. An office contains 148 managers, 259 team leaders, 111 developers and 148 testers. The ratio of managers and developers =

   (i) 3:3 (ii) 4:6 (iii) 4:3 (iv) 5:3 (v) 4:1

6. An office contains 61 managers, 366 team leaders, 244 developers and 122 testers. The ratio of managers and testers =

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

7. An office contains 78 managers, 156 team leaders, 117 developers and 195 testers. The ratio of team leaders and developers =

   (i) 5:3 (ii) 4:3 (iii) 3:3 (iv) 4:0 (v) 4:5

8. An office contains 28 managers, 84 team leaders, 168 developers and 56 testers. The ratio of team leaders and testers =

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

9. An office contains 66 managers, 11 team leaders, 66 developers and 55 testers. The ratio of developers and testers =

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

10. An office contains 45 managers, 180 team leaders, 90 developers and 270 testers. The ratio of managers to the total employees =

    (i) 2:13 (ii) 0:13 (iii) 1:10 (iv) 1:13 (v) 1:16

11. An office contains 90 managers, 180 team leaders, 90 developers and 270 testers. The ratio of team leaders to the total employees =

(i) 3:7 (ii) 2:4 (iii) 1:7 (iv) 2:7 (v) 2:10

12. An office contains 32 managers, 96 team leaders, 48 developers and 32 testers. The ratio of developers to the total employees =

(i) 4:13 (ii) 3:10 (iii) 3:13 (iv) 2:13 (v) 3:15

13. An office contains 141 managers, 282 team leaders, 188 developers and 235 testers. The ratio of testers to the total employees =

(i) 6:18 (ii) 5:20 (iii) 5:15 (iv) 4:18 (v) 5:18

14. An office contains 840 employees of 4 types. There are 280 managers and 350 team leaders. The developers and testers are in the ratio 1 : 2. The number of developers in the office =

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

15. An office contains 492 employees of 4 types. There are 246 managers and 41 team leaders. The developers and testers are in the ratio 4 : 1. The number of testers in the office =

(i) 40 (ii) 39 (iii) 42 (iv) 44 (v) 41

16. A box contains 333 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 2 : 6 : 1. The number of mangoes in the box =

(i) 77 (ii) 71 (iii) 73 (iv) 74 (v) 75

17. A box contains 408 mangoes, 272 apples and 408 oranges. The ratio of all fruits in the box =

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

18. A box contains 276 mangoes, 483 apples and 276 oranges. The ratio of mangoes and apples =

(i) 5:7 (ii) 4:7 (iii) 4:10 (iv) 3:7 (v) 4:4

19. A box contains 105 mangoes, 21 apples and 147 oranges. The ratio of mangoes and oranges =

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

20. A box contains 108 mangoes, 54 apples and 324 oranges. The ratio of apples and oranges =

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

21. A box contains 47 mangoes, 282 apples and 141 oranges. The ratio of mangoes to the total fruits =

(i) 0:10 (ii) 1:7 (iii) 1:10 (iv) 2:10 (v) 1:13

22. A box contains 21 mangoes, 84 apples and 42 oranges. The ratio of apples to the total fruits =

(i) 4:4 (ii) 4:10 (iii) 3:7 (iv) 5:7 (v) 4:7

23. A box contains 68 mangoes, 102 apples and 238 oranges. The ratio of oranges to the total fruits =

(i) 8:12 (ii) 6:12 (iii) 7:12 (iv) 7:15 (v) 7:9

24. A box contains 420 stationary items of 2 types. The pens and pencils are in the ratio 4 : 6. The number of pens in the box =

(i) 167 (ii) 170 (iii) 168 (iv) 166 (v) 169

25. A box contains 154 stationary items of 2 types. The pens and pencils are in the ratio 7 : 4. The number of pencils in the box =

(i) 54 (ii) 55 (iii) 56 (iv) 58 (v) 57

26. A box contains 74 pens and 148 pencils. The ratio of all stationary items in the box =

(i) 2:1 (ii) 2:4 (iii) 3:4 (iv) 1:4 (v) 2:6

27. A box contains 350 pens and 490 pencils. The ratio of pens to the total stationary items =

(i) 6:12 (ii) 5:12 (iii) 5:15 (iv) 5:9 (v) 4:12

28. A box contains 110 pens and 154 pencils. The ratio of pencils to the total stationary items =

(i) 7:9 (ii) 7:14 (iii) 7:12 (iv) 8:12 (v) 6:12

Assignment Key

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

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