EduSahara™ Learning Center Assignment

Grade : Class VI, SSC
Chapter : Ratio and Proportion
Name : Word Problems on Ratios
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1. A bag contains ₹432 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 7 : 16 : 5 .
Find the number of coins of each type

(i) 43 , 101 , 25 (ii) 40 , 101 , 30 (iii) 42 , 96 , 30

(iv) 44 , 91 , 30 (v) 41 , 96 , 35

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2. The sides of a triangle are in the ratio $\frac{1}{6} : \frac{1}{5} : \frac{1}{2}$ and its perimeter is 416 cm .
Find the lengths of the sides of the triangle

(i) 85 cm : 96 cm : 235 cm (ii) 80 cm : 96 cm : 240 cm

(iii) 75 cm : 101 cm : 240 cm (iv) 75 cm : 96 cm : 245 cm

(v) 85 cm : 91 cm : 240 cm

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3. An office contains 621 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 4 : 3 : 1. The number of managers in the office =

(i) 72 (ii) 66 (iii) 70 (iv) 68 (v) 69

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4. An office contains 246 managers, 82 team leaders, 246 developers and 205 testers. The ratio of all employees in the office =

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

(iv) 6 : 2 : 6 : 5 (v) 6 : 4 : 6 : 5

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5. An office contains 258 managers, 215 team leaders, 172 developers and 86 testers. The ratio of managers and developers =

(i) 2 : 2 (ii) 3 : 5 (iii) 4 : 2

(iv) 3 : 0 (v) 3 : 2

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6. An office contains 264 managers, 44 team leaders, 88 developers and 176 testers. The ratio of managers and testers =

(i) 3 : -1 (ii) 2 : 2 (iii) 3 : 5

(iv) 3 : 2 (v) 4 : 2

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7. An office contains 147 managers, 245 team leaders, 98 developers and 245 testers. The ratio of team leaders and developers =

(i) 5 : 2 (ii) 5 : 4 (iii) 6 : 2

(iv) 5 : -1 (v) 4 : 2

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8. An office contains 70 managers, 60 team leaders, 20 developers and 10 testers. The ratio of team leaders and testers =

(i) 5 : 1 (ii) 6 : 3 (iii) 6 : 1

(iv) 6 : -1 (v) 7 : 1

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9. An office contains 250 managers, 50 team leaders, 200 developers and 50 testers. The ratio of developers and testers =

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

(iv) 4 : 3 (v) 4 : 1

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10. An office contains 132 managers, 88 team leaders, 154 developers and 44 testers. The ratio of managers to the total employees =

(i) 6 : 21 (ii) 6 : 19 (iii) 6 : 16

(iv) 5 : 19 (v) 7 : 19

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11. An office contains 161 managers, 92 team leaders, 69 developers and 115 testers. The ratio of team leaders to the total employees =

(i) 4 : 17 (ii) 4 : 22 (iii) 5 : 19

(iv) 3 : 19 (v) 4 : 19

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12. An office contains 190 managers, 76 team leaders, 152 developers and 114 testers. The ratio of developers to the total employees =

(i) 1 : 7 (ii) 3 : 7 (iii) 2 : 5

(iv) 2 : 7 (v) 2 : 9

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13. An office contains 78 managers, 156 team leaders, 26 developers and 156 testers. The ratio of testers to the total employees =

(i) 4 : 8 (ii) 3 : 5 (iii) 3 : 11

(iv) 2 : 8 (v) 3 : 8

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14. An office contains 850 employees of 4 types. There are 250 managers and 100 team leaders. The developers and testers are in the ratio 3 : 2. The number of developers in the office =

(i) 302 (ii) 301 (iii) 299 (iv) 300 (v) 297

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15. An office contains 966 employees of 4 types. There are 69 managers and 207 team leaders. The developers and testers are in the ratio 3 : 2. The number of testers in the office =

(i) 276 (ii) 279 (iii) 273 (iv) 277 (v) 275

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16. A box contains 603 fruits of 3 types. The mangoes, apples, and oranges are in the ratio 1 : 7 : 1. The number of mangoes in the box =

(i) 67 (ii) 66 (iii) 68 (iv) 64 (v) 70

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17. A box contains 266 mangoes, 76 apples and 152 oranges. The ratio of all fruits in the box =

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

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18. A box contains 78 mangoes, 117 apples and 234 oranges. The ratio of mangoes and apples =

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

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19. A box contains 350 mangoes, 140 apples and 350 oranges. The ratio of mangoes and oranges =

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

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20. A box contains 350 mangoes, 280 apples and 420 oranges. The ratio of apples and oranges =

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

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21. A box contains 95 mangoes, 114 apples and 133 oranges. The ratio of mangoes to the total fruits =

(i) 5 : 18 (ii) 4 : 18 (iii) 6 : 18 (iv) 5 : 16 (v) 5 : 20

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22. A box contains 140 mangoes, 70 apples and 210 oranges. The ratio of apples to the total fruits =

(i) 1 : 4 (ii) 1 : 6 (iii) 1 : 9 (iv) 0 : 6 (v) 2 : 6

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23. A box contains 52 mangoes, 104 apples and 312 oranges. The ratio of oranges to the total fruits =

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

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24. A box contains 288 stationary items of 2 types. The pens and pencils are in the ratio 3 : 5. The number of pens in the box =

(i) 106 (ii) 107 (iii) 111 (iv) 109 (v) 108

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25. A box contains 650 stationary items of 2 types. The pens and pencils are in the ratio 6 : 7. The number of pencils in the box =

(i) 351 (ii) 348 (iii) 350 (iv) 352 (v) 349

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26. A box contains 126 pens and 105 pencils. The ratio of all stationary items in the box =

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

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27. A box contains 15 pens and 90 pencils. The ratio of pens to the total stationary items =

(i) 2 : 7 (ii) 0 : 7 (iii) 1 : 10 (iv) 1 : 4 (v) 1 : 7

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28. A box contains 110 pens and 385 pencils. The ratio of pencils to the total stationary items =

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

Assignment Key

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