EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Ratio and Proportion

Grade : SSC Grade VI

1. Find the ratio between 9 gm and 8 kg

   (i) 9:7997 (ii) 9:8002 (iii) 9:8000 (iv) 8:8000

2. If Anthony can read 208 pages in 13 hr, he can read 256 pages in how many hours?

   (i) 21 hr (ii) 16 hr (iii) 19 hr (iv) 11 hr (v) 13 hr

3. A bag contains ₹1092 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 10 : 7 : 20. Find the number of coins of each type

   (i) 132 , 86 , 260 (ii) 128 , 96 , 260 (iii) 131 , 96 , 255 (iv) 130 , 91 , 260 (v) 129 , 91 , 265

4. 11 mangoes weigh 5 kg. If 9 mangoes are needed, how many kgs have to be purchased?

   (i) 5.09 kg (ii) 3.09 kg (iii) 2.09 kg (iv) 4.09 kg (v) 6.09 kg

5. A train from Calcutta travelling at a speed of 30kmph reaches Chennai in 12hr. If the train travels at the speed of 30kmph it reaches Chennai in 12hr. The ratio of speeds =

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

6. A box contains 220 mangoes, 132 apples and 176 oranges. The ratio of apples to the total fruits =

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

7. A vehicle can cover certain distance in 91 min, running at a speed of 40 kmph. At what speed must the vehicle run to cover the same distance in 56 min?

   (i) 62 kmph (ii) 70 kmph (iii) 60 kmph (iv) 65 kmph (v) 68 kmph

8. A banker gave foreign exchange of $14 for ₹686. How many dollars will the customer get for ₹1323 ?

   (i) $22 (ii) $24 (iii) $27 (iv) $32 (v) $30

9. If the cost of 10 apples is ₹550.00, the cost of 120 apples =

   (i) ₹6660.00 (ii) ₹6420.00 (iii) ₹6850.00 (iv) ₹6380.00 (v) ₹6600.00

10. Find the missing value in the equation ___ : 7 = 32 : 8

    (i) 26 (ii) 27 (iii) 28 (iv) 29 (v) 30

11. An office contains 361 employees of 4 types. There are 114 managers and 38 team leaders. The developers and testers are in the ratio 6 : 5. The number of developers in the office =

    (i) 112 (ii) 113 (iii) 115 (iv) 117 (v) 114

12. Divide 7396 in the ratio 31 : 12

    (i) 5333 , 2064 (ii) 5332 , 2061 (iii) 5331 , 2064 (iv) 5332 , 2066 (v) 5332 , 2064

13. A box contains 144 mangoes, 336 apples and 288 oranges. The ratio of all fruits in the box =

    (i) 4:7:6 (ii) 3:10:6 (iii) 3:7:6 (iv) 2:7:6 (v) 3:5:6

14. The antecendent in the ratio $\frac{11}{4} : \frac{11}{20}$ =

(i) $\frac{11}{20}$ (ii) $\frac{11}{2}$ (iii) $\frac{9}{20}$ (iv) $\frac{13}{4}$ (v) $\frac{11}{4}$

15. An office contains 210 managers, 42 team leaders, 210 developers and 252 testers. The ratio of managers to the total employees =

(i) 4:17 (ii) 5:19 (iii) 6:17 (iv) 5:15 (v) 5:17

16. The ratio equivalent of the fraction $\frac{33}{70}$ =

(i) 70:33 (ii) 32:70 (iii) 33:72 (iv) 33:67 (v) 33:70

17. Find the ratio between 6 months and 10 years

(i) 1:17 (ii) 1:20 (iii) 1:22 (iv) 0:20

18. Find the missing value in the equation 24 : ___ = 20 : 5

(i) 9 (ii) 3 (iii) 6 (iv) 5 (v) 7

19. The sides of a triangle are in the ratio $\frac{1}{9} : \frac{1}{7} : \frac{1}{6}$ and its perimeter is 1007 cm.

Find the lengths of the sides of the triangle

(i) 271 cm : 337 cm : 399 cm (ii) 261 cm : 342 cm : 404 cm (iii) 261 cm : 347 cm : 399 cm

(iv) 271 cm : 342 cm : 394 cm (v) 266 cm : 342 cm : 399 cm

20. If 13 pencils cost ₹104, how much will 26 pencils cost?

(i) ₹231 (ii) ₹206 (iii) ₹216 (iv) ₹181 (v) ₹208

21. An office contains 126 managers, 252 team leaders, 126 developers and 84 testers. The ratio of team leaders and developers =

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

22. If 108 men can do a piece of work in 88 days, 96 men can do the same work in how many days?

(i) 94 days (ii) 96 days (iii) 104 days (iv) 102 days (v) 99 days

23. An office contains 64 managers, 192 team leaders, 256 developers and 384 testers. The ratio of testers to the total employees =

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

24. The cost of 24 kg of onions is ₹720. How many kgs of onions can be purchased with ₹660 ?

(i) 22 kg (ii) 17 kg (iii) 19 kg (iv) 27 kg (v) 25 kg

25. The cost of 13 kg of pumpkins is ₹286. How much has to be paid to purchase 16 kg of pumpkins ?

(i) ₹360 (ii) ₹345 (iii) ₹352 (iv) ₹364 (v) ₹327

Assignment Key

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