EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Ratio and Proportion

Grade : ICSE Grade VI

1. The antecendent in the ratio $\frac{13}{10} : \frac{4}{15}$ =

   (i) $\frac{2}{15}$ (ii) $\frac{4}{15}$ (iii) $\frac{13}{10}$ (iv) $\frac{3}{2}$ (v) $\frac{13}{8}$

2. An office contains 448 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 5 : 3 : 2 : 6. The number of testers in the office =

   (i) 169 (ii) 167 (iii) 165 (iv) 171 (v) 168

3. An office contains 833 employees of 4 types. There are 196 managers and 98 team leaders. The developers and testers are in the ratio 4 : 7. The number of developers in the office =

   (i) 195 (ii) 199 (iii) 197 (iv) 193 (v) 196

4. An office contains 690 employees of 4 types. The managers, team leaders, developers and testers are in the ratio 1 : 5 : 7 : 2. The number of managers in the office =

   (i) 44 (ii) 49 (iii) 47 (iv) 46 (v) 45

5. The fraction equivalent of the ratio 10 : 4 =

   (i) $\frac{10}{4}$ (ii) 5 (iii) $\frac{4}{10}$ (iv) 2 (v) 3

6. Find the ratio between 11 months and 9 years

   (i) 10 : 108 (ii) 11 : 105 (iii) 11 : 108 (iv) 11 : 110

7. Find the ratio between 3 l and 5 kl

   (i) 3 : 5000 (ii) 2 : 5000 (iii) 3 : 5002 (iv) 3 : 4998

8. A box contains 330 mangoes, 275 apples and 330 oranges. The ratio of mangoes and apples =

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

9. Find the missing value in the equation ____ : 2 = 24 : 6

   (i) 9 (ii) 8 (iii) 5 (iv) 10 (v) 7

10. An office contains 32 managers, 64 team leaders, 96 developers and 48 testers. The ratio of all employees in the office =

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

11. Divide 27260 in the ratio 22 : 31 : 33 : 30

    (i) 5169 , 7285 , 7755 , 7050 (ii) 5171 , 7285 , 7755 , 7050 (iii) 5170 , 7282 , 7755 , 7050

    (iv) 5170 , 7287 , 7755 , 7050 (v) 5170 , 7285 , 7755 , 7050

12. Find the missing value in the equation $6:1 = \_\_\_\_ : 7$

(i) 40 (ii) 42 (iii) 45 (iv) 41 (v) 43

13. The consequent in the ratio $2:10$ =

(i) 0 (ii) 12 (iii) 10 (iv) 2 (v) 9

14. A box contains 17 mangoes, 119 apples and 102 oranges. The ratio of all fruits in the box =

(i) $2:7:6$ (ii) $1:7:6$ (iii) $0:7:6$ (iv) $1:4:6$ (v) $1:10:6$

15. Find the product of means of $16:18$ and $12:10$

(i) 218 (ii) 213 (iii) 215 (iv) 160 (v) 216

16. The ratio equivalent of the fraction $\frac{17}{28}$ =

(i) $16:28$ (ii) $17:26$ (iii) $28:17$ (iv) $17:28$ (v) $17:31$

17. Divide 3770 in the ratio $\frac{5}{9} : \frac{1}{8} : \frac{9}{8}$

(i) 1161 , 261 , 2349 (ii) 1160 , 263 , 2349 (iii) 1159 , 261 , 2349 (iv) 1160 , 261 , 2349

(v) 1160 , 259 , 2349

18. Which of the ratios is proportional to 24 : 4?

(i) $30:3$ (ii) $30:8$ (iii) $30:5$ (iv) $31:5$ (v) $29:5$

19. A ratio is equal to 2 : 75. If its antecendent is 448, what is its consequent?

(i) 16802 (ii) 16801 (iii) 16800 (iv) 16799 (v) 16798

20. Find the product of extremes of $\frac{13}{7} : \frac{17}{4}$ and $\frac{16}{19} : \frac{17}{11}$

(i) $\frac{219}{77}$ (ii) $\frac{221}{77}$ (iii) $\frac{221}{75}$ (iv) $\frac{223}{77}$ (v) $\frac{68}{19}$

21. If $a:b::c:d$, then

(i) $ac = bd$ (ii) $ab = cd$ (iii) $ad = bc$ (iv) $abc = bcd$

22. Divide ₹14600 among A,B,C so that A shall receive $\frac{8}{65}$ of what B and C together recieve and B may receive $\frac{20}{53}$ of what A and C receive

(i) ₹1600.00:₹4000.00:₹9000.00 (ii) ₹1600.00:₹9000.00:₹4000.00 (iii) ₹1600.00:₹4000.00:₹4000.00

(iv) ₹9000.00:₹1600.00:₹4000.00 (v) ₹4000.00:₹9000.00:₹1600.00

23. The consequent in the ratio $\frac{17}{12} : \frac{1}{10}$ =

(i) $\frac{1}{10}$ (ii) $\frac{5}{4}$ (iii) $\frac{3}{10}$ (iv) $\frac{17}{12}$ (v) $\frac{1}{8}$

24. The antecendent in the ratio $11:9$ =

(i) 6 (ii) 11 (iii) 9 (iv) 14 (v) 10

25. Find the product of extremes of $3:11$ and $10:2$

(i) 9 (ii) 6 (iii) 110 (iv) 3 (v) 5

Assignment Key

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