EduSahara™ Assignment

Name : Ratio and Proportion Concepts

Chapter : Ratio and Proportion

Grade : ICSE Grade VIII

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1. The antecedent in the ratio $9:11$ =

   (i) 8 (ii) 11 (iii) 9 (iv) 12

2. The antecedent in the ratio $\frac{9}{8}:\frac{3}{10}$ =

   (i) $\frac{11}{8}$ (ii) $\frac{9}{8}$ (iii) $\frac{3}{10}$ (iv) $\frac{3}{2}$ (v) $\frac{1}{10}$

3. The consequent in the ratio $4:12$ =

   (i) 11 (ii) 4 (iii) 12 (iv) 15 (v) 2

4. The consequent in the ratio $\frac{3}{7}:\frac{12}{19}$ =

   (i) $\frac{12}{17}$ (ii) $\frac{3}{7}$ (iii) $\frac{14}{19}$ (iv) $\frac{1}{7}$ (v) $\frac{12}{19}$

5. The simplest form of $612:360$ =

   (i) $18:10$ (ii) $17:8$ (iii) $16:10$ (iv) $17:10$ (v) $612:363$

6. Find the missing value in the equation $____:10=28:7$

   (i) 41 (ii) 42 (iii) 40 (iv) 37 (v) 39

7. Find the missing value in the equation $6:____=36:6$

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

8. Find the missing value in the equation $6:1=____:3$

   (i) 15 (ii) 19 (iii) 17 (iv) 21 (v) 18

9. Find the missing value in the equation $42:7=30:____$

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

10. Find the product of extremes of $4:3$ and $5:16$

    (i) 64 (ii) 61 (iii) 63 (iv) 15 (v) 66

11. Find the product of extremes of $\frac{4}{11}:\frac{7}{18}$ and $\frac{19}{5}:\frac{17}{7}$

    (i) $\frac{68}{77}$ (ii) $\frac{10}{11}$ (iii) $\frac{6}{7}$ (iv) $\frac{133}{90}$ (v) $\frac{68}{75}$

12. Find the product of means of $11:5$ and $2:5$

    (i) 12 (ii) 10 (iii) 7 (iv) 55 (v) 9

13. Find the product of means of $\frac{17}{19} : \frac{7}{12}$ and $\frac{13}{10} : \frac{6}{19}$

(i) $\frac{91}{120}$ (ii) $\frac{89}{120}$ (iii) $\frac{31}{40}$ (iv) $\frac{91}{118}$ (v) $\frac{102}{361}$

14. Find the mean proportional of 75 and 3

(i) 12 (ii) 15 (iii) 3 (iv) 75 (v) 225

15. Find the third proportional of 98 and 14

(i) (-1) (ii) 14 (iii) 98 (iv) 2 (v) 196

16. Find the fourth proportional of 24 , 6 and 32

(i) 6 (ii) 32 (iii) 5 (iv) 8 (v) 11

17. Which of the ratios is proportional to 12 : 2?

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

18. Divide 50 in the ratio 4 : 1

(i) 40 , 8 (ii) 41 , 10 (iii) 40 , 10 (iv) 39 , 10 (v) 40 , 12

19. Divide 5494 in the ratio 8 : 15 : 18

(i) 1072 , 2010 , 2412 (ii) 1072 , 2008 , 2412 (iii) 1073 , 2010 , 2412 (iv) 1071 , 2010 , 2412

(v) 1072 , 2012 , 2412

20. Divide 6612 in the ratio 11 : 20 : 1 : 6

(i) 1915 , 3480 , 174 , 1044 (ii) 1913 , 3480 , 174 , 1044 (iii) 1914 , 3477 , 174 , 1044

(iv) 1914 , 3483 , 174 , 1044 (v) 1914 , 3480 , 174 , 1044

21. Which of the following is true?

(i) $6:1 > 8:3$ (ii) $2:1 > 9:2$ (iii) $7:6 > 8:5$ (iv) $7:6 < 9:8$ (v) $7:5 > 7:2$

22. Find the ratio between 9 months and 5 years

(i) 2 : 20 (ii) 3 : 22 (iii) 3 : 20 (iv) 3 : 17

23. Find the ratio between 43 min and 47 hr

(i) 43 : 2823 (ii) 43 : 2820 (iii) 42 : 2820 (iv) 43 : 2817

24. Find the ratio between 4 m and 3 km

(i) 1 : 748 (ii) 1 : 750 (iii) 0 : 750 (iv) 1 : 752

25. Find the ratio between 8 gm and 9 kg

(i) 1 : 1128 (ii) 0 : 1125 (iii) 1 : 1122 (iv) 1 : 1125

26. Find the ratio between 9 l and 4 kl

(i) 9 : 4003 (ii) 9 : 3997 (iii) 9 : 4000 (iv) 8 : 4000

27. Find the ratio between 15 hr and 10 days

(i) 1:18 (ii) 1:16 (iii) 0:16 (iv) 1:13

28. A ratio is equal to 3 : 25. If its antecendent is 1260, what is its consequent?

(i) 10499 (ii) 10502 (iii) 10501 (iv) 10500 (v) 10498

29. A ratio is equal to 20 : 3. If its consequent is 1155, what is its antecendent?

(i) 7700 (ii) 7703 (iii) 7699 (iv) 7698 (v) 7701

30. Find the ratio between 9 months and 6 years 2 months

(i) 8:74 (ii) 9:74 (iii) 9:71 (iv) 9:77

31. Find the number which bears the same ratio to $\frac{2}{7}$ that $\frac{2}{7}$ does to $\frac{44}{441}$

(i) $\frac{9}{13}$ (ii) $\frac{7}{11}$ (iii) $\frac{9}{11}$ (iv) 1

32. The ascending order of 1:5 , 3:4 , 4:7 , 7:8 , 6:7 , 1:7 is

(i) 7:8 , 4:7 , 3:4 , 6:7 , 1:5 , 1:7 (ii) 1:7 , 1:5 , 4:7 , 3:4 , 6:7 , 7:8 (iii) 1:5 , 1:7 , 4:7 , 7:8 , 3:4 , 6:7

(iv) 3:4 , 4:7 , 1:5 , 1:7 , 6:7 , 7:8 (v) 7:8 , 4:7 , 1:5 , 6:7 , 3:4 , 1:7

Assignment Key

1) (iii)	2) (ii)	3) (iii)	4) (v)	5) (iv)	6) (iii)
7) (ii)	8) (v)	9) (iv)	10) (i)	11) (i)	12) (ii)
13) (i)	14) (ii)	15) (iv)	16) (iv)	17) (i)	18) (iii)
19) (i)	20) (v)	21) (i)	22) (iii)	23) (ii)	24) (ii)
25) (iv)	26) (iii)	27) (ii)	28) (iv)	29) (i)	30) (ii)
31) (iii)	32) (ii)				

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