EduSahara™ Assignment

Name : Ratio and Proportion Concepts

Chapter : Ratio - Applications

Grade : SSC Grade VII

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1. The ratio equivalent of the fraction $\frac{3}{5}$ =

   (i) 5:3 (ii) 2:5 (iii) 3:8 (iv) 3:3 (v) 3:5

2. The ratio equivalent of the fraction $\frac{89}{13}$ =

   (i) 88:13 (ii) 89:13 (iii) 89:16 (iv) 13:89 (v) 89:11

3. The fraction equivalent of the ratio 5:3 =

   (i) $\frac{7}{3}$ (ii) 1 (iii) $\frac{3}{5}$ (iv) $\frac{5}{3}$ (v) 5

4. The fraction equivalent of the ratio 49:64 =

   (i) $\frac{49}{62}$ (ii) $\frac{47}{64}$ (iii) $\frac{64}{49}$ (iv) $\frac{49}{64}$ (v) $\frac{51}{64}$

5. The antecendent in the ratio 17:7 =

   (i) 17 (ii) 5 (iii) 7 (iv) 19 (v) 16

6. The antecendent in the ratio $\frac{5}{16}:\frac{15}{7}$ =

   (i) $\frac{15}{7}$ (ii) $\frac{5}{16}$ (iii) $\frac{13}{7}$ (iv) $\frac{7}{16}$ (v) $\frac{5}{14}$

7. The consequent in the ratio 15:4 =

   (i) 15 (ii) 3 (iii) 13 (iv) 7 (v) 4

8. The consequent in the ratio $\frac{15}{11}:\frac{18}{5}$ =

   (i) $\frac{15}{11}$ (ii) 6 (iii) 4 (iv) $\frac{13}{11}$ (v) $\frac{18}{5}$

9. The simplest form of 12:80 =

   (i) 12:82 (ii) 2:20 (iii) 3:20 (iv) 3:17 (v) 4:20

10. Find the missing value in the equation ____:1 = 306:9

    (i) 35 (ii) 31 (iii) 36 (iv) 33 (v) 34

11. Find the missing value in the equation 6:____ = 30:5

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

12. Find the missing value in the equation $40:10=____:3$

(i) 12 (ii) 11 (iii) 13 (iv) 15 (v) 9

13. Find the missing value in the equation $12:2=30:____$

(i) 6 (ii) 2 (iii) 4 (iv) 5 (v) 8

14. Find the product of extremes of $8:10$ and $13:7$

(i) 130 (ii) 53 (iii) 56 (iv) 59 (v) 55

15. Find the product of extremes of $\frac{12}{13}:\frac{13}{11}$ and $\frac{20}{19}:\frac{11}{14}$

(i) $\frac{66}{91}$ (ii) $\frac{68}{91}$ (iii) $\frac{66}{89}$ (iv) $\frac{64}{91}$ (v) $\frac{260}{209}$

16. Find the product of means of $19:16$ and $4:16$

(i) 66 (ii) 304 (iii) 62 (iv) 63 (v) 64

17. Find the product of means of $\frac{6}{7}:\frac{14}{9}$ and $\frac{9}{13}:\frac{11}{6}$

(i) $\frac{12}{13}$ (ii) $\frac{11}{7}$ (iii) $\frac{16}{13}$ (iv) $\frac{14}{13}$ (v) $\frac{14}{11}$

18. Find the mean proportional of 50 and 2

(i) 100 (ii) 7 (iii) 50 (iv) 2 (v) 10

19. Find the third proportional of 72 and 12

(i) 72 (ii) 12 (iii) 2 (iv) 0 (v) 144

20. Find the fourth proportional of $24, 6$ and 32

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

21. Which of the ratios is proportional to 18 : 3?

(i) $17:3$ (ii) $18:1$ (iii) $18:3$ (iv) $18:6$ (v) $19:3$

22. Divide 672 in the ratio 6 : 10

(i) 252 , 420 (ii) 252 , 422 (iii) 251 , 420 (iv) 253 , 420 (v) 252 , 418

23. Divide 8528 in the ratio 18 : 34

(i) 2952 , 5579 (ii) 2953 , 5576 (iii) 2952 , 5576 (iv) 2951 , 5576 (v) 2952 , 5573

24. Divide 7400 in the ratio 19 : 10 : 8

(i) 3800 , 1997 , 1600 (ii) 3801 , 2000 , 1600 (iii) 3799 , 2000 , 1600 (iv) 3800 , 2000 , 1600

(v) 3800 , 2003 , 1600

25. A ratio is equal to 7 : 1. If its antecendent is 4200, what is its consequent?

(i) 600 (ii) 601 (iii) 597 (iv) 599 (v) 603

26. A ratio is equal to 7 : 9. If its consequent is 810, what is its antecendent?

(i) 629 (ii) 630 (iii) 631 (iv) 632 (v) 628

27. Find the ratio between 2 months and 4 years 3 months

(i) 2:51 (ii) 2:53 (iii) 1:51 (iv) 2:48

28. Find the number which bears the same ratio to $\frac{5}{6}$ that $\frac{3}{7}$ does to $\frac{25}{7}$

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

29. Find the ratio between 3 months and 9 years

(i) 1:34 (ii) 1:36 (iii) 1:38 (iv) 0:36

30. Find the ratio between 59 min and 9 hr

(i) 59:542 (ii) 59:540 (iii) 58:540 (iv) 59:538

31. Find the ratio between 4 m and 8 km

(i) 1:1997 (ii) 1:2002 (iii) 1:2000 (iv) 0:2000

32. Find the ratio between 5 gm and 7 kg

(i) 1:1402 (ii) 1:1400 (iii) 0:1400 (iv) 1:1397

33. Find the ratio between 5 l and 7 kl

(i) 1:1402 (ii) 1:1397 (iii) 1:1400 (iv) 0:1400

34. Find the ratio between 12 hr and 22 days

(i) 1:46 (ii) 1:44 (iii) 0:44 (iv) 1:42

Assignment Key

1) (v)	2) (ii)	3) (iv)	4) (iv)	5) (i)	6) (ii)
7) (v)	8) (v)	9) (iii)	10) (v)	11) (iv)	12) (i)
13) (iv)	14) (iii)	15) (i)	16) (v)	17) (iv)	18) (v)
19) (iii)	20) (iii)	21) (iii)	22) (i)	23) (iii)	24) (iv)
25) (i)	26) (ii)	27) (i)	28) (iii)	29) (ii)	30) (ii)
31) (iii)	32) (ii)	33) (iii)	34) (ii)		

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