



1. The ratio equivalent of the fraction  $\frac{7}{3} =$

- (i) 3:7 (ii) 7:5 (iii) 7:3 (iv) 7:1 (v) 6:3

2. The ratio equivalent of the fraction  $\frac{61}{99} =$

- (i) 60:99 (ii) 61:99 (iii) 61:96 (iv) 99:61 (v) 61:102

3. The fraction equivalent of the ratio 6:2 =

- (i) 4 (ii) 6 (iii)  $\frac{2}{6}$  (iv) 2 (v)  $\frac{6}{2}$

4. The fraction equivalent of the ratio 91:79 =

- (i)  $\frac{93}{79}$  (ii)  $\frac{13}{11}$  (iii)  $\frac{91}{79}$  (iv)  $\frac{79}{91}$  (v)  $\frac{89}{79}$

5. The antecedent in the ratio 10:11 =

- (i) 10 (ii) 8 (iii) 11 (iv) 12 (v) 9

6. The antecedent in the ratio  $\frac{13}{8} : \frac{5}{18} =$

- (i)  $\frac{13}{8}$  (ii)  $\frac{1}{6}$  (iii)  $\frac{5}{18}$  (iv)  $\frac{15}{8}$  (v)  $\frac{13}{6}$

7. The consequent in the ratio 15:8 =

- (i) 15 (ii) 7 (iii) 11 (iv) 8 (v) 12

8. The consequent in the ratio  $\frac{19}{18} : \frac{2}{3} =$

- (i) 2 (ii)  $\frac{2}{3}$  (iii)  $\frac{17}{18}$  (iv)  $\frac{4}{3}$  (v)  $\frac{19}{18}$

9. The simplest form of 320:200 =

- (i) 8:5 (ii) 8:3 (iii) 7:5 (iv) 9:5 (v) 320:203

10. Find the missing value in the equation  $\_\_ : 7 = 18 : 3$

- (i) 41 (ii) 45 (iii) 39 (iv) 42 (v) 43

11. Find the missing value in the equation  $36 : \_\_ = 16 : 4$

- (i) 9 (ii) 11 (iii) 8 (iv) 6 (v) 10

12. Find the missing value in the equation  $14:1 = \underline{\hspace{1cm}}:4$

- (i) 58 (ii) 56 (iii) 55 (iv) 57 (v) 54

13. Find the missing value in the equation  $15:1 = 45:\underline{\hspace{1cm}}$

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

14. Find the product of extremes of  $6:11$  and  $12:13$

- (i) 132 (ii) 75 (iii) 78 (iv) 80 (v) 77

15. Find the product of extremes of  $\frac{12}{19} : \frac{13}{10}$  and  $\frac{6}{19} : \frac{7}{18}$

- (i)  $\frac{14}{57}$  (ii)  $\frac{16}{57}$  (iii)  $\frac{4}{19}$  (iv)  $\frac{14}{55}$  (v)  $\frac{39}{95}$

16. Find the product of means of  $15:2$  and  $9:10$

- (i) 15 (ii) 150 (iii) 20 (iv) 17 (v) 18

17. Find the product of means of  $\frac{16}{13} : \frac{7}{3}$  and  $\frac{11}{13} : \frac{9}{11}$

- (i)  $\frac{77}{37}$  (ii)  $\frac{25}{13}$  (iii)  $\frac{79}{39}$  (iv)  $\frac{77}{39}$  (v)  $\frac{144}{143}$

18. Find the mean proportional of 8 and 2

- (i) 8 (ii) 16 (iii) 2 (iv) 4

19. Find the third proportional of 75 and 15

- (i) 15 (ii) 3 (iii) 225 (iv) 75 (v) 0

20. Find the fourth proportional of 36, 6 and 30

- (i) 5 (ii) 30 (iii) 8 (iv) 3 (v) 6

21. Which of the ratios is proportional to  $36 : 9$ ?

- (i) 19:5 (ii) 21:5 (iii) 20:8 (iv) 20:2 (v) 20:5

22. Divide 1460 in the ratio  $17 : 3$

- (i) 1242, 219 (ii) 1241, 216 (iii) 1241, 222 (iv) 1240, 219 (v) 1241, 219

23. Divide 9184 in the ratio  $40 : 16$

- (i) 6560, 2624 (ii) 6561, 2624 (iii) 6560, 2621 (iv) 6560, 2626 (v) 6559, 2624

24. Divide 3718 in the ratio  $11 : 14 : 1$

- (i) 1572, 2002, 143 (ii) 1574, 2002, 143 (iii) 1573, 2002, 143 (iv) 1573, 2000, 143  
(v) 1573, 2004, 143

25. A ratio is equal to  $13 : 4$ . If its antecedent is 1365, what is its consequent?

- (i) 421 (ii) 423 (iii) 418 (iv) 419 (v) 420

26. A ratio is equal to 7 : 18. If its consequent is 6300, what is its antecedent?

- (i) 2447 (ii) 2449 (iii) 2450 (iv) 2452 (v) 2451

27. Find the ratio between 4 months and 5 years 3 months

- (i) 4:65 (ii) 4:60 (iii) 3:63 (iv) 4:63

28. Find the number which bears the same ratio to  $\frac{2}{4}$  that  $\frac{1}{2}$  does to  $\frac{19}{64}$

- (i)  $\frac{16}{17}$  (ii)  $\frac{14}{19}$  (iii)  $\frac{16}{19}$  (iv)  $\frac{16}{21}$  (v)  $\frac{18}{19}$

29. Find the ratio between 8 months and 3 years

- (i) 2:11 (ii) 1:9 (iii) 2:7 (iv) 2:9

30. Find the ratio between 5 min and 20 hr

- (i) 1:243 (ii) 1:240 (iii) 0:240 (iv) 1:238

31. Find the ratio between 7 m and 10 km

- (i) 7:10000 (ii) 7:9998 (iii) 7:10002 (iv) 6:10000

32. Find the ratio between 6 gm and 7 kg

- (i) 2:3500 (ii) 3:3498 (iii) 3:3500 (iv) 3:3502

33. Find the ratio between 9 l and 3 kl

- (i) 3:1003 (ii) 3:1000 (iii) 3:998 (iv) 2:1000

34. Find the ratio between 14 hr and 5 days

- (i) 7:60 (ii) 7:63 (iii) 7:58 (iv) 6:60

## Assignment Key

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