



1. The antecedent in the ratio 5:3 =

- (i) 5 (ii) 3 (iii) 8 (iv) 1 (v) 4

2. The antecedent in the ratio $\frac{16}{17} : \frac{15}{7}$ =

- (i) $\frac{16}{15}$ (ii) $\frac{15}{7}$ (iii) $\frac{13}{7}$ (iv) $\frac{16}{17}$ (v) $\frac{18}{17}$

3. The consequent in the ratio 14:11 =

- (i) 14 (ii) 11 (iii) 13 (iv) 12 (v) 10

4. The consequent in the ratio $\frac{3}{5} : \frac{15}{8}$ =

- (i) $\frac{1}{5}$ (ii) $\frac{3}{5}$ (iii) $\frac{17}{8}$ (iv) $\frac{15}{8}$ (v) $\frac{5}{2}$

5. The simplest form of 216:336 =

- (i) 8:14 (ii) 9:14 (iii) 9:11 (iv) 216:339 (v) 10:14

6. Find the missing value in the equation $\underline{\quad} : 1 = 42 : 7$

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

7. Find the missing value in the equation $30 : \underline{\quad} = 36 : 6$

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

8. Find the missing value in the equation $8 : 2 = \underline{\quad} : 7$

- (i) 27 (ii) 29 (iii) 25 (iv) 31 (v) 28

9. Find the missing value in the equation $6 : 1 = 36 : \underline{\quad}$

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

10. Find the product of extremes of 7:14 and 16:5

- (i) 38 (ii) 32 (iii) 35 (iv) 34 (v) 224

11. Find the product of extremes of $\frac{17}{18} : \frac{14}{15}$ and $\frac{5}{6} : \frac{5}{4}$

- (i) $\frac{7}{9}$ (ii) $\frac{29}{24}$ (iii) $\frac{85}{72}$ (iv) $\frac{17}{14}$ (v) $\frac{83}{72}$

12. Find the product of means of 2:20 and 12:15

- (i) 240 (ii) 243 (iii) 30 (iv) 239 (v) 237

13. Find the product of means of $\frac{13}{17} : \frac{3}{19}$ and $\frac{9}{4} : \frac{9}{11}$

- (i) $\frac{27}{74}$ (ii) $\frac{117}{187}$ (iii) $\frac{25}{76}$ (iv) $\frac{27}{76}$ (v) $\frac{29}{76}$

14. Find the mean proportional of 128 and 2

- (i) 13 (ii) 16 (iii) 256 (iv) 128 (v) 2

15. Find the third proportional of 98 and 14

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

16. Find the fourth proportional of 36, 9 and 28

- (i) 9 (ii) 7 (iii) 28 (iv) 5

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

- (i) 18:5 (ii) 19:3 (iii) 18:3 (iv) 18:0 (v) 17:3

18. Divide 220 in the ratio 12 : 8

- (i) 132, 88 (ii) 132, 91 (iii) 131, 88 (iv) 133, 88 (v) 132, 85

19. Divide 2000 in the ratio 7 : 12 : 1

- (i) 701, 1200, 100 (ii) 700, 1200, 100 (iii) 700, 1198, 100 (iv) 699, 1200, 100 (v) 700, 1202, 100

20. Divide 9075 in the ratio 20 : 2 : 15 : 18

- (i) 3300, 333, 2475, 2970 (ii) 3300, 330, 2475, 2970 (iii) 3301, 330, 2475, 2970
(iv) 3299, 330, 2475, 2970 (v) 3300, 328, 2475, 2970

21. Which of the following is true?

- (i) $2:1 < 5:3$ (ii) $9:8 > 7:3$ (iii) $5:3 < 3:2$ (iv) $4:1 > 7:2$ (v) $8:7 > 5:3$

22. Find the ratio between 11 months and 5 years

- (i) 11:60 (ii) 11:57 (iii) 10:60 (iv) 11:63

23. Find the ratio between 55 min and 18 hr

- (i) 11:216 (ii) 11:219 (iii) 10:216 (iv) 11:213

24. Find the ratio between 8 m and 7 km

- (i) 0:875 (ii) 1:873 (iii) 1:875 (iv) 1:877

25. Find the ratio between 4 gm and 10 kg

- (i) 0:2500 (ii) 1:2503 (iii) 1:2497 (iv) 1:2500

26. Find the ratio between 5 l and 8 kl

- (i) 0:1600 (ii) 1:1603 (iii) 1:1598 (iv) 1:1600

27. Find the ratio between 5 hr and 17 days

- (i) 5:411 (ii) 5:406 (iii) 4:408 (iv) 5:408

28. A ratio is equal to 4 : 5. If its antecedent is 672, what is its consequent?

- (i) 838 (ii) 841 (iii) 840 (iv) 842 (v) 839

29. A ratio is equal to 2 : 85. If its consequent is 20230, what is its antecedent?

- (i) 477 (ii) 479 (iii) 476 (iv) 475 (v) 473

30. Find the ratio between 9 months and 6 years 3 months

- (i) 3:22 (ii) 3:25 (iii) 3:27 (iv) 2:25

31. Find the number which bears the same ratio to $\frac{1}{3}$ that $\frac{1}{2}$ does to $\frac{1}{3}$

- (i) $\frac{2}{5}$ (ii) $\frac{1}{2}$ (iii) $\frac{5}{11}$ (iv) $\frac{5}{9}$ (v) $\frac{3}{5}$

32. The ascending order of 1:3, 1:2, 2:7, 2:3 is

- (i) 2:7, 1:3, 1:2, 2:3 (ii) 2:7, 2:3, 1:2, 1:3 (iii) 2:3, 1:3, 1:2, 2:7 (iv) 1:2, 1:3, 2:3, 2:7

Assignment Key

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