



1. The ratio equivalent of the fraction $\frac{10}{9} =$

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

2. The ratio equivalent of the fraction $\frac{31}{41} =$

- (i) 31:39 (ii) 31:43 (iii) 41:31 (iv) 31:41 (v) 30:41

3. The fraction equivalent of the ratio 1:10 =

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

4. The fraction equivalent of the ratio 50:51 =

- (i) $\frac{50}{49}$ (ii) $\frac{52}{51}$ (iii) $\frac{50}{51}$ (iv) $\frac{51}{50}$ (v) $\frac{16}{17}$

5. The antecedent in the ratio 13:12 =

- (i) 12 (ii) 16 (iii) 10 (iv) 13

6. The antecedent in the ratio $\frac{12}{5} : \frac{11}{9} =$

- (i) $\frac{11}{9}$ (ii) $\frac{12}{5}$ (iii) $\frac{14}{5}$ (iv) 1 (v) 4

7. The consequent in the ratio 5:10 =

- (i) 10 (ii) 2 (iii) 5 (iv) 13 (v) 9

8. The consequent in the ratio $\frac{19}{5} : \frac{5}{14} =$

- (i) $\frac{5}{12}$ (ii) $\frac{5}{14}$ (iii) $\frac{17}{5}$ (iv) $\frac{1}{2}$ (v) $\frac{19}{5}$

9. The simplest form of 288:192 =

- (i) 3:-1 (ii) 2:2 (iii) 4:2 (iv) 3:2 (v) 288:194

10. Find the missing value in the equation $\underline{\hspace{1cm}} : 1 = 182 : 7$

- (i) 26 (ii) 28 (iii) 27 (iv) 25 (v) 23

11. Find the missing value in the equation $4 : \underline{\hspace{1cm}} = 36 : 9$

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

12. Find the missing value in the equation $32:8 = \underline{\hspace{1cm}}:6$

- (i) 22 (ii) 25 (iii) 27 (iv) 23 (v) 24

13. Find the missing value in the equation $6:1 = 36:\underline{\hspace{1cm}}$

- (i) 7 (ii) 4 (iii) 8 (iv) 6 (v) 5

14. Find the product of extremes of $13:20$ and $20:3$

- (i) 39 (ii) 37 (iii) 38 (iv) 400 (v) 42

15. Find the product of extremes of $\frac{19}{20}:\frac{13}{5}$ and $\frac{20}{3}:\frac{18}{5}$

- (i) $\frac{171}{50}$ (ii) $\frac{52}{3}$ (iii) $\frac{57}{16}$ (iv) $\frac{169}{50}$ (v) $\frac{173}{50}$

16. Find the product of means of $7:17$ and $13:1$

- (i) 219 (ii) 221 (iii) 223 (iv) 220 (v) 7

17. Find the product of means of $\frac{8}{7}:\frac{11}{4}$ and $\frac{9}{8}:\frac{20}{13}$

- (i) $\frac{97}{32}$ (ii) $\frac{33}{10}$ (iii) $\frac{99}{32}$ (iv) $\frac{101}{32}$ (v) $\frac{160}{91}$

18. Find the mean proportional of 162 and 2

- (i) 162 (ii) 18 (iii) 324 (iv) 2 (v) 16

19. Find the third proportional of 8 and 4

- (i) 8 (ii) 4 (iii) 2 (iv) 16 (v) 0

20. Find the fourth proportional of 27, 3 and 27

- (i) 27 (ii) 1 (iii) 5 (iv) 3

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

- (i) $53:9$ (ii) $54:9$ (iii) $54:12$ (iv) $54:6$ (v) $55:9$

22. Divide 936 in the ratio $7:1$

- (i) 819, 117 (ii) 819, 119 (iii) 820, 117 (iv) 819, 114 (v) 818, 117

23. Divide 20033 in the ratio $39:28$

- (i) 11662, 8372 (ii) 11660, 8372 (iii) 11661, 8374 (iv) 11661, 8369 (v) 11661, 8372

24. Divide 1467 in the ratio $2:1:6$

- (i) 325, 163, 978 (ii) 327, 163, 978 (iii) 326, 165, 978 (iv) 326, 163, 978 (v) 326, 160, 978

25. A ratio is equal to $28:5$. If its antecedent is 3024, what is its consequent?

- (i) 540 (ii) 539 (iii) 542 (iv) 541 (v) 537

26. A ratio is equal to $13:10$. If its consequent is 1680, what is its antecedent?

- (i) 2185 (ii) 2184 (iii) 2183 (iv) 2187 (v) 2182

27. Find the ratio between 2 months and 5 years 3 months

- (i) 2:63 (ii) 2:60 (iii) 1:63 (iv) 2:66

28. Find the number which bears the same ratio to $\frac{5}{9}$ that $\frac{1}{2}$ does to $\frac{4}{9}$

- (i) $\frac{5}{8}$ (ii) $\frac{5}{6}$ (iii) $\frac{1}{2}$ (iv) $\frac{3}{8}$ (v) $\frac{7}{8}$

29. Find the ratio between 11 months and 11 years

- (i) 1:15 (ii) 0:12 (iii) 1:12 (iv) 1:9

30. Find the ratio between 21 min and 55 hr

- (i) 7:1100 (ii) 6:1100 (iii) 7:1103 (iv) 7:1098

31. Find the ratio between 3 m and 5 km

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

32. Find the ratio between 7 gm and 5 kg

- (i) 6:5000 (ii) 7:4997 (iii) 7:5000 (iv) 7:5002

33. Find the ratio between 10 l and 3 kl

- (i) 1:300 (ii) 0:300 (iii) 1:302 (iv) 1:297

34. Find the ratio between 5 hr and 16 days

- (i) 4:384 (ii) 5:387 (iii) 5:382 (iv) 5:384

Assignment Key

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