



1. The ratio equivalent of the fraction  $\frac{8}{7} =$

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

2. The ratio equivalent of the fraction  $\frac{41}{53} =$

- (i) 41:56 (ii) 41:51 (iii) 41:53 (iv) 40:53 (v) 53:41

3. The fraction equivalent of the ratio 1:2 =

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

4. The fraction equivalent of the ratio 77:40 =

- (i)  $\frac{79}{40}$  (ii)  $\frac{77}{38}$  (iii)  $\frac{40}{77}$  (iv)  $\frac{77}{40}$  (v)  $\frac{15}{8}$

5. The antecedent in the ratio 18:20 =

- (i) 17 (ii) 21 (iii) 20 (iv) 18

6. The antecedent in the ratio  $\frac{2}{19} : \frac{5}{16} =$

- (i)  $\frac{5}{16}$  (ii)  $\frac{3}{16}$  (iii)  $\frac{2}{19}$  (iv)  $\frac{2}{17}$  (v)  $\frac{4}{19}$

7. The consequent in the ratio 19:12 =

- (i) 12 (ii) 14 (iii) 17 (iv) 11 (v) 19

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

- (i)  $\frac{7}{4}$  (ii)  $\frac{7}{2}$  (iii)  $\frac{9}{4}$  (iv)  $\frac{17}{7}$  (v)  $\frac{19}{7}$

9. The simplest form of 315:147 =

- (i) 315:149 (ii) 15:4 (iii) 14:7 (iv) 15:7 (v) 16:7

10. Find the missing value in the equation  $\underline{\hspace{1cm}} : 3 = 48 : 8$

- (i) 15 (ii) 20 (iii) 18 (iv) 17 (v) 19

11. Find the missing value in the equation  $54 : \underline{\hspace{1cm}} = 30 : 5$

- (i) 10 (ii) 8 (iii) 7 (iv) 9 (v) 12

12. Find the missing value in the equation  $57:1 = \underline{\quad}:5$

- (i) 285 (ii) 284 (iii) 283 (iv) 287 (v) 286

13. Find the missing value in the equation  $22:1 = 44:\underline{\quad}$

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

14. Find the product of extremes of  $14:6$  and  $12:9$

- (i) 72 (ii) 129 (iii) 125 (iv) 126 (v) 124

15. Find the product of extremes of  $\frac{17}{15}:\frac{7}{2}$  and  $\frac{19}{4}:\frac{20}{19}$

- (i)  $\frac{68}{55}$  (ii)  $\frac{70}{57}$  (iii)  $\frac{22}{19}$  (iv)  $\frac{133}{8}$  (v)  $\frac{68}{57}$

16. Find the product of means of  $18:19$  and  $11:2$

- (i) 209 (ii) 36 (iii) 211 (iv) 206 (v) 208

17. Find the product of means of  $\frac{15}{14}:\frac{9}{10}$  and  $\frac{3}{2}:\frac{10}{3}$

- (i)  $\frac{5}{4}$  (ii)  $\frac{3}{2}$  (iii)  $\frac{29}{20}$  (iv)  $\frac{27}{20}$  (v)  $\frac{25}{7}$

18. Find the mean proportional of 8 and 2

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

19. Find the third proportional of 128 and 16

- (i) 0 (ii) 128 (iii) 256 (iv) 2 (v) 16

20. Find the fourth proportional of 28, 7 and 28

- (i) 7 (ii) 10 (iii) 28 (iv) 4

21. Which of the ratios is proportional to  $28:7$ ?

- (i)  $11:3$  (ii)  $12:3$  (iii)  $12:5$  (iv)  $12:0$  (v)  $13:3$

22. Divide 918 in the ratio  $5:12$

- (i) 270, 650 (ii) 270, 648 (iii) 270, 646 (iv) 271, 648 (v) 269, 648

23. Divide 9065 in the ratio  $15:20$

- (i) 3886, 5180 (ii) 3885, 5182 (iii) 3884, 5180 (iv) 3885, 5180 (v) 3885, 5178

24. Divide 450 in the ratio  $10:4:1$

- (i) 301, 120, 30 (ii) 300, 120, 30 (iii) 299, 120, 30 (iv) 300, 123, 30 (v) 300, 117, 30

25. A ratio is equal to  $7:33$ . If its antecedent is 875, what is its consequent?

- (i) 4128 (ii) 4126 (iii) 4124 (iv) 4122 (v) 4125

26. A ratio is equal to  $13:5$ . If its consequent is 210, what is its antecedent?

- (i) 547 (ii) 545 (iii) 546 (iv) 543 (v) 549

27. Find the ratio between 7 months and 5 years 3 months

- (i) 1:9 (ii) 1:12 (iii) 1:6 (iv) 0:9

28. Find the number which bears the same ratio to  $\frac{2}{6}$  that  $\frac{6}{7}$  does to  $\frac{8}{21}$

- (i)  $\frac{3}{5}$  (ii) 1 (iii)  $\frac{1}{2}$  (iv)  $\frac{3}{4}$

29. Find the ratio between 5 months and 8 years

- (i) 5:96 (ii) 4:96 (iii) 5:94 (iv) 5:99

30. Find the ratio between 43 min and 44 hr

- (i) 43:2642 (ii) 43:2640 (iii) 42:2640 (iv) 43:2637

31. Find the ratio between 9 m and 8 km

- (i) 9:8000 (ii) 8:8000 (iii) 9:7997 (iv) 9:8003

32. Find the ratio between 9 gm and 7 kg

- (i) 9:7002 (ii) 9:6997 (iii) 9:7000 (iv) 8:7000

33. Find the ratio between 7 l and 4 kl

- (i) 6:4000 (ii) 7:3998 (iii) 7:4003 (iv) 7:4000

34. Find the ratio between 12 hr and 20 days

- (i) 1:38 (ii) 0:40 (iii) 1:42 (iv) 1:40

## Assignment Key

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