



1. The ratio equivalent of the fraction  $\frac{8}{5} =$

- (i) 8:7 (ii) 8:2 (iii) 7:5 (iv) 8:5 (v) 5:8

2. The ratio equivalent of the fraction  $\frac{59}{93} =$

- (i) 59:91 (ii) 58:93 (iii) 59:96 (iv) 59:93 (v) 93:59

3. The fraction equivalent of the ratio 4:5 =

- (i)  $\frac{2}{5}$  (ii)  $\frac{6}{5}$  (iii)  $\frac{4}{5}$  (iv)  $\frac{4}{3}$  (v)  $\frac{5}{4}$

4. The fraction equivalent of the ratio 78:68 =

- (i)  $\frac{78}{68}$  (ii)  $\frac{13}{11}$  (iii)  $\frac{19}{17}$  (iv)  $\frac{68}{78}$  (v)  $\frac{20}{17}$

5. The antecedent in the ratio 1:5 =

- (i) 1 (ii) 4 (iii) 5 (iv) 2 (v) 0

6. The antecedent in the ratio  $\frac{2}{5} : \frac{1}{4} =$

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

7. The consequent in the ratio 7:15 =

- (i) 14 (ii) 5 (iii) 7 (iv) 17 (v) 15

8. The consequent in the ratio  $\frac{11}{20} : \frac{19}{16} =$

- (i)  $\frac{21}{16}$  (ii)  $\frac{11}{20}$  (iii)  $\frac{19}{14}$  (iv)  $\frac{9}{20}$  (v)  $\frac{19}{16}$

9. The simplest form of 162:144 =

- (i) 10:8 (ii) 9:6 (iii) 9:8 (iv) 8:8 (v) 162:147

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

- (i) 16 (ii) 17 (iii) 19 (iv) 13 (v) 15

11. Find the missing value in the equation  $6 : \underline{\hspace{1cm}} = 18 : 3$

- (i) 0 (ii) 1 (iii) 2 (iv) (-1) (v) 3

12. Find the missing value in the equation  $54:9 = \underline{\quad}:3$   
(i) 19 (ii) 15 (iii) 18 (iv) 17 (v) 20
13. Find the missing value in the equation  $30:5 = 18:\underline{\quad}$   
(i) 2 (ii) 1 (iii) 5 (iv) 4 (v) 3
14. Which of the ratios is proportional to  $32 : 8$ ?  
(i) 8:4 (ii) 7:2 (iii) 8:2 (iv) 9:2 (v) 8:-1
15. A ratio is equal to  $1 : 1$ . If its antecedent is 4200, what is its consequent?  
(i) 4202 (ii) 4200 (iii) 4201 (iv) 4198 (v) 4199
16. A ratio is equal to  $14 : 1$ . If its consequent is 490, what is its antecedent?  
(i) 6861 (ii) 6859 (iii) 6860 (iv) 6858 (v) 6863
17. Find the ratio between 5 months and 3 years 9 months  
(i) 1:11 (ii) 1:9 (iii) 0:9 (iv) 1:7
18. Find the number which bears the same ratio to  $\frac{1}{3}$  that  $\frac{1}{5}$  does to  $\frac{19}{165}$   
(i)  $\frac{13}{19}$  (ii)  $\frac{11}{21}$  (iii)  $\frac{11}{17}$  (iv)  $\frac{9}{19}$  (v)  $\frac{11}{19}$
19. Find the ratio between 7 months and 11 years  
(i) 7:132 (ii) 7:129 (iii) 7:134 (iv) 6:132
20. Find the ratio between 57 min and 6 hr  
(i) 19:122 (ii) 18:120 (iii) 19:120 (iv) 19:118
21. Find the ratio between 10 m and 3 km  
(i) 0:300 (ii) 1:297 (iii) 1:302 (iv) 1:300
22. Find the ratio between 3 gm and 10 kg  
(i) 3:9997 (ii) 2:10000 (iii) 3:10000 (iv) 3:10003
23. Find the ratio between 6 l and 6 kl  
(i) 0:1000 (ii) 1:1003 (iii) 1:998 (iv) 1:1000
24. Find the ratio between 4 hr and 5 days  
(i) 0:30 (ii) 1:33 (iii) 1:30 (iv) 1:27
25. If 15 samosas cost ₹135, how much will 27 samosas cost?  
(i) ₹236 (ii) ₹259 (iii) ₹231 (iv) ₹243 (v) ₹258
26. If 8 books cost ₹48, how many books can be purchased with ₹186?  
(i) 30 (ii) 32 (iii) 34 (iv) 28 (v) 31

27. If 7 l of mustard oil costs ₹105, how much will 36 l cost?  
(i) ₹523 (ii) ₹558 (iii) ₹526 (iv) ₹567 (v) ₹540
28. If 8 l of water costs ₹160, how much of water costs ₹600?  
(i) 30 l (ii) 27 l (iii) 35 l (iv) 33 l (v) 25 l
29. If 17 men can make 68 sweaters in a day, how many sweaters are made by 17 men in a day?  
(i) 65 (ii) 67 (iii) 69 (iv) 70 (v) 68
30. If 16 men can make 32 chairs in a day, how many men are needed to make 42 chairs in a day?  
(i) 19 (ii) 22 (iii) 21 (iv) 20 (v) 24
31. If Salman can read 400 pages in 20 hr, how many pages can he read in 18 hr?  
(i) 361 (ii) 358 (iii) 359 (iv) 360 (v) 362
32. If Vikram can read 168 pages in 14 hr, he can read 180 pages in how many hours?  
(i) 12 hr (ii) 18 hr (iii) 15 hr (iv) 20 hr (v) 10 hr
33. The cost of 11 kg of cauliflowers is ₹242. How many kgs of cauliflowers can be purchased with ₹286 ?  
(i) 8 kg (ii) 18 kg (iii) 16 kg (iv) 10 kg (v) 13 kg
34. The cost of 12 kg of pumpkins is ₹276. How much has to be paid to purchase 20 kg of pumpkins ?  
(i) ₹456 (ii) ₹442 (iii) ₹460 (iv) ₹462 (v) ₹477
35. The weight of 14 rounds of copper wire is 280 kg. How many rounds of copper wire is present in 320 kg?  
(i) 14 (ii) 18 (iii) 16 (iv) 17 (v) 15
36. A bus ticket fare for 17 km costs ₹80. How much is the fare for 16 km?  
(i) ₹80.29 (ii) ₹78.29 (iii) ₹72.29 (iv) ₹70.29 (v) ₹75.29
37. The sales tax for ₹100 of a bill is ₹13. How much sales tax has to be paid for a bill of ₹346 ?  
(i) ₹41.98 (ii) ₹49.98 (iii) ₹39.98 (iv) ₹47.98 (v) ₹44.98
38. To stitch a shirt, 103 cm of cloth is needed. How much cloth is needed to stitch 9 shirts ?  
(i) 927 cm (ii) 919 cm (iii) 903 cm (iv) 941 cm (v) 944 cm
39. 17 m of cloth is required to stitch 10 dresses. How many meters of cloth is required to stitch 15 dresses?  
(i) 20.50 m (ii) 22.50 m (iii) 30.50 m (iv) 28.50 m (v) 25.50 m
40. The cost of 8 dozen bananas is ₹304. What is the cost of 19 dozens ?  
(i) ₹728 (ii) ₹722 (iii) ₹735 (iv) ₹710
41. 16 mangoes weigh 7 kg. If 6 mangoes are needed, how many kgs have to be purchased?  
(i) 4.62 kg (ii) 2.62 kg (iii) 1.62 kg (iv) 0.62 kg (v) 3.62 kg
42. The specification on a printer says that it prints 2100 pages in 35 min. If 3000 pages have to be printed, how long will it take ?  
(i) 50 min (ii) 55 min (iii) 53 min (iv) 45 min (v) 47 min

43. 16 gm of gold costs ₹40000. What is the cost of 27 gm ?

- (i) ₹68900 (ii) ₹66200 (iii) ₹69000 (iv) ₹67500 (v) ₹66800

44. A banker gave foreign exchange of \$15 for ₹465. How many dollars will the customer get for ₹899 ?

- (i) \$32 (ii) \$29 (iii) \$26 (iv) \$34 (v) \$24

## Assignment Key

1) (iv)	2) (iv)	3) (iii)	4) (i)	5) (i)	6) (iv)
7) (v)	8) (v)	9) (iii)	10) (i)	11) (ii)	12) (iii)
13) (v)	14) (iii)	15) (ii)	16) (iii)	17) (ii)	18) (v)
19) (i)	20) (iii)	21) (iv)	22) (iii)	23) (iv)	24) (iii)
25) (iv)	26) (v)	27) (v)	28) (i)	29) (v)	30) (iii)
31) (iv)	32) (iii)	33) (v)	34) (iii)	35) (iii)	36) (v)
37) (v)	38) (i)	39) (v)	40) (ii)	41) (ii)	42) (i)
43) (iv)	44) (ii)				