



1. Find the ratio between 2 months and 5 years 4 months

- (i) 1:35 (ii) 0:32 (iii) 1:30 (iv) 1:32

2. Divide 3290 in the ratio  $\frac{4}{5} : \frac{3}{8}$

- (i) 2240 , 1052 (ii) 2239 , 1050 (iii) 2240 , 1050 (iv) 2241 , 1050 (v) 2240 , 1048

3. Divide 16490 in the ratio  $\frac{3}{7} : \frac{7}{3} : \frac{1}{8}$

- (i) 2447 , 13328 , 714 (ii) 2449 , 13328 , 714 (iii) 2448 , 13328 , 714 (iv) 2448 , 13331 , 714  
(v) 2448 , 13325 , 714

4. A man reduces his weight in the ratio 19 : 10. What is his weight now, if originally he was 99 kg ?

- (i)  $\frac{992}{19}$  kg (ii)  $\frac{991}{19}$  kg (iii)  $\frac{1028}{19}$  kg (iv)  $\frac{990}{19}$  kg (v)  $\frac{1009}{19}$  kg

5. Which of the following is true?

- (i)  $4:3 > 4:1$  (ii)  $7:4 > 8:1$  (iii)  $7:3 > 7:1$  (iv)  $6:5 > 7:3$  (v)  $6:5 < 7:4$

6. A certain amount has been divided into two parts in the ratio 6 : 3. If the first part is 126, find the total amount.

- (i) 188 (ii) 189 (iii) 187 (iv) 190 (v) 191

7. Two numbers are in the ratio 5 : 2 and their difference is 69. Find the numbers.

- (i) 114,46 (ii) 115,43 (iii) 115,46 (iv) 116,46 (v) 115,48

8. Divide ₹37000 into three parts such that the first one is  $\frac{5}{4}$  of the second and ratio between second and the third is 6 : 5

- (i) ₹12000.00:₹10000.00:₹15000.00 (ii) ₹10000.00:₹15000.00:₹12000.00  
(iii) ₹15000.00:₹10000.00:₹12000.00 (iv) ₹15000.00:₹12000.00:₹12000.00  
(v) ₹15000.00:₹12000.00:₹10000.00

9. Increase 260 in the ratio 4 : 7

- (i) 455 (ii) 456 (iii) 452 (iv) 454 (v) 458

10. Divide ₹152000 among A,B,C so that A shall receive  $\frac{27}{68}$  of what B and C together receive and B may receive  $\frac{36}{59}$  of what A and C receive
- (i) ₹51200.00:₹43200.00:₹57600.00 (ii) ₹43200.00:₹51200.00:₹57600.00
- (iii) ₹43200.00:₹57600.00:₹51200.00 (iv) ₹43200.00:₹57600.00:₹57600.00
- (v) ₹57600.00:₹51200.00:₹43200.00
- 
11. A bag contains ₹850 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 12 : 8 : 9. Find the number of coins of each type
- (i) 122 , 75 , 90 (ii) 120 , 80 , 90 (iii) 118 , 85 , 90 (iv) 121 , 85 , 85 (v) 119 , 80 , 95
- 
12. The sides of a triangle are in the ratio  $\frac{1}{6} : \frac{1}{8} : \frac{1}{4}$  and its perimeter is 143 cm. Find the lengths of the sides of the triangle
- (i) 39 cm:33 cm:71 cm (ii) 49 cm:28 cm:66 cm (iii) 44 cm:33 cm:66 cm (iv) 49 cm:33 cm:61 cm
- (v) 39 cm:38 cm:66 cm
- 
13. Find the ratio between 10 months and 6 years
- (i) 5:39 (ii) 4:36 (iii) 5:36 (iv) 5:34
- 
14. Find the ratio between 9 min and 48 hr
- (i) 1:323 (ii) 1:318 (iii) 0:320 (iv) 1:320
- 
15. Find the ratio between 6 m and 6 km
- (i) 1:1000 (ii) 1:997 (iii) 0:1000 (iv) 1:1002
- 
16. Find the ratio between 9 gm and 7 kg
- (i) 9:7002 (ii) 9:7000 (iii) 9:6998 (iv) 8:7000
- 
17. Find the ratio between 5 l and 3 kl
- (i) 1:600 (ii) 1:602 (iii) 0:600 (iv) 1:597
- 
18. Find the ratio between 17 hr and 14 days
- (i) 17:333 (ii) 17:338 (iii) 16:336 (iv) 17:336
- 
19. The ratio equivalent of the fraction  $\frac{10}{9} =$
- (i) 9:9 (ii) 10:9 (iii) 10:6 (iv) 9:10 (v) 10:12
- 
20. The ratio equivalent of the fraction  $\frac{73}{75} =$
- (i) 72:75 (ii) 73:77 (iii) 75:73 (iv) 73:73 (v) 73:75
- 
21. The fraction equivalent of the ratio 2:10 =
- (i) 0 (ii)  $\frac{2}{5}$  (iii)  $\frac{1}{4}$  (iv)  $\frac{10}{2}$  (v)  $\frac{2}{10}$

22. The fraction equivalent of the ratio 25:10 =

- (i)  $\frac{23}{10}$  (ii)  $\frac{25}{8}$  (iii)  $\frac{27}{10}$  (iv)  $\frac{25}{10}$  (v)  $\frac{10}{25}$

23. The antecedent in the ratio 3:6 =

- (i) 3 (ii) 6 (iii) 2

24. The antecedent in the ratio  $\frac{17}{11} : \frac{19}{3} =$

- (i)  $\frac{19}{3}$  (ii)  $\frac{17}{3}$  (iii)  $\frac{17}{9}$  (iv)  $\frac{17}{11}$  (v)  $\frac{19}{11}$

25. The consequent in the ratio 17:3 =

- (i) 15 (ii) 5 (iii) 17 (iv) 3 (v) 2

26. The consequent in the ratio  $\frac{19}{11} : \frac{5}{6} =$

- (i)  $\frac{5}{4}$  (ii)  $\frac{17}{11}$  (iii)  $\frac{19}{11}$  (iv)  $\frac{5}{6}$  (v)  $\frac{7}{6}$

27. The simplest form of 108:24 =

- (i) 10:2 (ii) 9:2 (iii) 8:2 (iv) 108:27 (v) 9:0

28. If  $a : b = 6 : 11$  and  $b : c = 4 : 5$ , then  $a : b : c =$

- (i) 24:46:55 (ii) 25:44:55 (iii) 24:44:55 (iv) 24:42:55 (v) 23:44:55

29. If  $a : b = 4 : 37$  and  $b : c = 4 : 33$ , then  $a : b : c =$

- (i) 17:148:1221 (ii) 15:148:1221 (iii) 16:148:1221 (iv) 16:145:1221 (v) 16:151:1221

30. If  $a : b = \frac{13}{14} : \frac{2}{4}$  and  $b : c = \frac{8}{14} : \frac{10}{18}$ , then  $a : b : c =$

- (i)  $\frac{26}{49} : \frac{4}{7} : \frac{5}{18}$  (ii)  $\frac{26}{49} : \frac{2}{7} : \frac{5}{18}$  (iii)  $\frac{26}{49} : 0 : \frac{5}{18}$  (iv)  $\frac{26}{47} : \frac{2}{7} : \frac{5}{18}$  (v)  $\frac{26}{51} : \frac{2}{7} : \frac{5}{18}$

31. If  $a : b = \frac{2}{11} : \frac{25}{32}$  and  $b : c = \frac{20}{37} : \frac{3}{31}$ , then  $a : b : c =$

- (i)  $\frac{40}{409} : \frac{125}{296} : \frac{75}{992}$  (ii)  $\frac{8}{81} : \frac{125}{296} : \frac{75}{992}$  (iii)  $\frac{40}{407} : \frac{125}{296} : \frac{75}{992}$  (iv)  $\frac{40}{407} : \frac{123}{296} : \frac{75}{992}$  (v)  $\frac{40}{407} : \frac{127}{296} : \frac{75}{992}$

32. Divide 2353 in the ratio 1 : 12

- (i) 181, 2170 (ii) 181, 2174 (iii) 180, 2172 (iv) 181, 2172 (v) 182, 2172

33. Divide 11603 in the ratio 10 : 31

- (i) 2830, 8773 (ii) 2831, 8773 (iii) 2830, 8776 (iv) 2829, 8773 (v) 2830, 8770

34. Divide 1443 in the ratio 1 : 9 : 3

- (i) 111, 1002, 333 (ii) 112, 999, 333 (iii) 110, 999, 333 (iv) 111, 999, 333 (v) 111, 997, 333

35. Divide 16271 in the ratio 21 : 17 : 15

- (i) 6447 , 5217 , 4605 (ii) 6448 , 5219 , 4605 (iii) 6447 , 5219 , 4605 (iv) 6446 , 5219 , 4605  
(v) 6447 , 5221 , 4605

36. A ratio is equal to 3 : 20. If its antecedent is 1176, what is its consequent?

- (i) 7843 (ii) 7838 (iii) 7839 (iv) 7841 (v) 7840

37. A ratio is equal to 2 : 75. If its consequent is 17850, what is its antecedent?

- (i) 477 (ii) 475 (iii) 476 (iv) 478 (v) 473

38. A ratio is equal to 1 : 1. If its antecedent is 525, what is its consequent?

- (i) 528 (ii) 522 (iii) 524 (iv) 526 (v) 525

39. A ratio is equal to 13 : 9. If its consequent is 1890, what is its antecedent?

- (i) 2733 (ii) 2730 (iii) 2728 (iv) 2731 (v) 2729

## Assignment Key

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