



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

- (i) 1:15 (ii) 1:13 (iii) 1:11 (iv) 0:13

2. Divide 2074 in the ratio  $\frac{8}{5} : \frac{2}{3}$

- (i) 1465 , 610 (ii) 1464 , 610 (iii) 1464 , 612 (iv) 1463 , 610 (v) 1464 , 608

3. Divide 63687 in the ratio  $\frac{9}{4} : \frac{6}{7} : \frac{5}{9}$

- (i) 39123 , 14904 , 9660 (ii) 39123 , 14907 , 9660 (iii) 39124 , 14904 , 9660 (iv) 39122 , 14904 , 9660  
(v) 39123 , 14901 , 9660

4. A man reduces his weight in the ratio 19 : 12. What is his weight now, if originally he was 92 kg ?

- (i)  $\frac{1105}{19}$  kg (ii)  $\frac{1106}{19}$  kg (iii)  $\frac{1123}{19}$  kg (iv)  $\frac{1142}{19}$  kg (v)  $\frac{1104}{19}$  kg

5. Which of the following is true?

- (i) 5:1 > 9:4 (ii) 7:4 < 5:3 (iii) 6:5 > 8:1 (iv) 9:5 > 7:2 (v) 4:3 > 8:5

6. A certain amount has been divided into two parts in the ratio 2 : 3. If the first part is 44, find the total amount.

- (i) 112 (ii) 109 (iii) 111 (iv) 107 (v) 110

7. Two numbers are in the ratio 9 : 2 and their difference is 203. Find the numbers.

- (i) 261,58 (ii) 261,56 (iii) 260,58 (iv) 262,58 (v) 261,61

8. Divide ₹34200 into three parts such that the first one is  $\frac{8}{5}$  of the second and ratio between second and the third is 4 : 1

- (i) ₹19200.00:₹12000.00:₹12000.00 (ii) ₹19200.00:₹12000.00:₹3000.00  
(iii) ₹19200.00:₹3000.00:₹12000.00 (iv) ₹12000.00:₹3000.00:₹19200.00  
(v) ₹3000.00:₹19200.00:₹12000.00

9. Increase 558 in the ratio 18 : 20

- (i) 623 (ii) 621 (iii) 619 (iv) 620 (v) 617

10. Divide ₹35100 among A,B,C so that A shall receive  $\frac{7}{6}$  of what B and C together receive and B may receive  $\frac{14}{25}$  of what A and C receive
- (i) ₹18900.00:₹3600.00:₹12600.00 (ii) ₹18900.00:₹12600.00:₹12600.00
- (iii) ₹12600.00:₹3600.00:₹18900.00 (iv) ₹18900.00:₹12600.00:₹3600.00
- (v) ₹3600.00:₹18900.00:₹12600.00
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11. A bag contains ₹1824 in the form of five-rupee, two-rupee and one-rupee coins in the ratio 13 : 18 : 13. Find the number of coins of each type
- (i) 206 , 293 , 208 (ii) 207 , 288 , 213 (iii) 208 , 288 , 208 (iv) 209 , 293 , 203 (v) 210 , 283 , 208
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12. The sides of a triangle are in the ratio  $\frac{1}{6} : \frac{1}{3} : \frac{1}{4}$  and its perimeter is 135 cm. Find the lengths of the sides of the triangle
- (i) 35 cm:55 cm:45 cm (ii) 25 cm:65 cm:45 cm (iii) 35 cm:60 cm:40 cm (iv) 25 cm:60 cm:50 cm
- (v) 30 cm:60 cm:45 cm
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13. Find the ratio between 11 months and 4 years
- (i) 11:48 (ii) 10:48 (iii) 11:45 (iv) 11:50
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14. Find the ratio between 14 min and 9 hr
- (i) 7:268 (ii) 6:270 (iii) 7:270 (iv) 7:272
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15. Find the ratio between 10 m and 4 km
- (i) 0:400 (ii) 1:398 (iii) 1:403 (iv) 1:400
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16. Find the ratio between 5 gm and 9 kg
- (i) 1:1800 (ii) 1:1803 (iii) 0:1800 (iv) 1:1798
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17. Find the ratio between 5 l and 5 kl
- (i) 1:997 (ii) 1:1000 (iii) 1:1002 (iv) 0:1000
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18. Find the ratio between 19 hr and 5 days
- (i) 19:122 (ii) 19:120 (iii) 18:120 (iv) 19:118
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19. The ratio equivalent of the fraction  $\frac{9}{8} =$
- (i) 8:8 (ii) 8:9 (iii) 9:11 (iv) 9:8 (v) 9:6
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20. The ratio equivalent of the fraction  $\frac{48}{79} =$
- (i) 47:79 (ii) 48:77 (iii) 79:48 (iv) 48:79 (v) 48:81
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21. The fraction equivalent of the ratio 1:8 =
- (i)  $\frac{8}{1}$  (ii)  $\frac{1}{8}$  (iii)  $(\frac{-1}{8})$  (iv)  $\frac{1}{6}$  (v)  $\frac{3}{8}$

22. The fraction equivalent of the ratio 38:70 =

- (i)  $\frac{19}{34}$  (ii)  $\frac{38}{70}$  (iii)  $\frac{70}{38}$  (iv)  $\frac{4}{7}$  (v)  $\frac{18}{35}$

23. The antecedent in the ratio 4:9 =

- (i) 7 (ii) 4 (iii) 9 (iv) 3

24. The antecedent in the ratio  $\frac{5}{18} : \frac{17}{13} =$

- (i)  $\frac{17}{13}$  (ii)  $\frac{5}{18}$  (iii)  $\frac{7}{18}$  (iv)  $\frac{5}{16}$  (v)  $\frac{15}{13}$

25. The consequent in the ratio 5:3 =

- (i) 2 (ii) 3 (iii) 5

26. The consequent in the ratio  $\frac{19}{11} : \frac{19}{3} =$

- (i) 19 (ii) 7 (iii)  $\frac{19}{11}$  (iv)  $\frac{19}{3}$  (v)  $\frac{17}{11}$

27. The simplest form of 144:96 =

- (i) 4:2 (ii) 2:2 (iii) 3:2 (iv) 144:98 (v) 3:0

28. If  $a : b = 8 : 12$  and  $b : c = 2 : 3$ , then  $a : b : c =$

- (i) 16:26:36 (ii) 16:21:36 (iii) 16:24:36 (iv) 17:24:36 (v) 15:24:36

29. If  $a : b = 6 : 17$  and  $b : c = 1 : 23$ , then  $a : b : c =$

- (i) 6:14:391 (ii) 5:17:391 (iii) 6:17:391 (iv) 6:20:391 (v) 7:17:391

30. If  $a : b = \frac{13}{18} : \frac{5}{13}$  and  $b : c = \frac{6}{20} : \frac{2}{17}$ , then  $a : b : c =$

- (i)  $\frac{13}{58} : \frac{3}{26} : \frac{10}{221}$  (ii)  $\frac{13}{60} : \frac{1}{26} : \frac{10}{221}$  (iii)  $\frac{13}{62} : \frac{3}{26} : \frac{10}{221}$  (iv)  $\frac{13}{60} : \frac{5}{26} : \frac{10}{221}$  (v)  $\frac{13}{60} : \frac{3}{26} : \frac{10}{221}$

31. If  $a : b = \frac{6}{12} : \frac{23}{25}$  and  $b : c = \frac{16}{19} : \frac{11}{37}$ , then  $a : b : c =$

- (i)  $\frac{8}{19} : \frac{366}{475} : \frac{253}{925}$  (ii)  $\frac{8}{19} : \frac{368}{475} : \frac{253}{925}$  (iii)  $\frac{8}{17} : \frac{368}{475} : \frac{253}{925}$  (iv)  $\frac{8}{21} : \frac{368}{475} : \frac{253}{925}$  (v)  $\frac{8}{19} : \frac{74}{95} : \frac{253}{925}$

32. Divide 4640 in the ratio 14 : 18

- (i) 2030, 2608 (ii) 2030, 2610 (iii) 2029, 2610 (iv) 2031, 2610 (v) 2030, 2613

33. Divide 12480 in the ratio 27 : 21

- (i) 7020, 5460 (ii) 7020, 5462 (iii) 7020, 5457 (iv) 7019, 5460 (v) 7021, 5460

34. Divide 552 in the ratio 19 : 12 : 15

- (i) 228, 147, 180 (ii) 228, 144, 180 (iii) 229, 144, 180 (iv) 228, 141, 180 (v) 227, 144, 180

35. Divide 23128 in the ratio 27 : 36 : 35

- (i) 6373 , 8496 , 8260 (ii) 6372 , 8498 , 8260 (iii) 6372 , 8496 , 8260 (iv) 6371 , 8496 , 8260  
(v) 6372 , 8494 , 8260

36. A ratio is equal to 16 : 7. If its antecedent is 2800, what is its consequent?

- (i) 1227 (ii) 1224 (iii) 1223 (iv) 1226 (v) 1225

37. A ratio is equal to 2 : 3. If its consequent is 3360, what is its antecedent?

- (i) 2239 (ii) 2241 (iii) 2237 (iv) 2240 (v) 2243

38. A ratio is equal to 1 : 1. If its antecedent is 910, what is its consequent?

- (i) 911 (ii) 907 (iii) 909 (iv) 912 (v) 910

39. A ratio is equal to 5 : 2. If its consequent is 2450, what is its antecedent?

- (i) 6124 (ii) 6127 (iii) 6125 (iv) 6126 (v) 6122

## Assignment Key

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