



1. Find the product of extremes of 4:15 and 19:1

- (i) 3 (ii) 4 (iii) 2 (iv) 285 (v) 6

2. Find the product of extremes of  $\frac{5}{17} : \frac{9}{13}$  and  $\frac{19}{16} : \frac{11}{14}$

- (i)  $\frac{55}{236}$  (ii)  $\frac{53}{238}$  (iii)  $\frac{55}{238}$  (iv)  $\frac{57}{238}$  (v)  $\frac{171}{208}$

3. Find the product of means of 11:9 and 9:6

- (i) 66 (ii) 80 (iii) 81 (iv) 78 (v) 84

4. Find the product of means of  $\frac{13}{20} : \frac{19}{4}$  and  $\frac{2}{5} : \frac{17}{3}$

- (i)  $\frac{19}{10}$  (ii)  $\frac{221}{60}$  (iii)  $\frac{17}{10}$  (iv)  $\frac{21}{10}$  (v)  $\frac{19}{8}$

5. Which of the ratios is proportional to 30 : 5?

- (i) 29:5 (ii) 30:5 (iii) 30:7 (iv) 30:3 (v) 31:5

6. Find the missing value in the equation  $\_\_\_ : 1 = 306 : 9$

- (i) 35 (ii) 37 (iii) 34 (iv) 33 (v) 32

7. Find the missing value in the equation  $2 : \_\_\_ = 8 : 4$

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

8. Find the missing value in the equation  $51 : 1 = \_\_\_ : 3$

- (i) 152 (ii) 156 (iii) 153 (iv) 154 (v) 150

9. Find the missing value in the equation  $22 : 1 = 88 : \_\_\_$

- (i) 5 (ii) 3 (iii) 1 (iv) 6 (v) 4

10. Find the number which bears the same ratio to  $\frac{1}{5}$  that  $\frac{1}{2}$  does to  $\frac{19}{140}$

- (i)  $\frac{14}{17}$  (ii)  $\frac{16}{19}$  (iii)  $\frac{14}{19}$  (iv)  $\frac{12}{19}$  (v)  $\frac{2}{3}$

11. If  $a : b :: c : d$ , then

- (i)  $ab = cd$  (ii)  $abc = bcd$  (iii)  $ac = bd$  (iv)  $ad = bc$

12. The ratio 4 : 2 is proportional to which of the following ratios?

- (i) 8:4 (ii) 12:8 (iii) 16:6 (iv) 24:10 (v) 20:12

13. Which of the following represents a proportion ?

(i)  $34:22::136:66$  (ii)  $38:26::114:52$  (iii)  $37:25::74:75$  (iv)  $35:23::105:92$  (v)  $36:24::72:48$

14. Which of the following does not represent a proportion ?

(i)  $12:8::60:40$  (ii)  $21:18::42:36$  (iii)  $12:10::36:30$  (iv)  $5:4::10:12$  (v)  $12:9::48:36$

15. If  $36:x::24:20$ , find 'x'

(i) 30 (ii) 31 (iii) 29 (iv) 32 (v) 27

## Assignment Key

1) (ii)	2) (iii)	3) (iii)	4) (i)	5) (ii)	6) (iii)
7) (v)	8) (iii)	9) (v)	10) (iii)	11) (iv)	12) (i)
13) (v)	14) (iv)	15) (i)			