



1. Find the product of extremes of 18:9 and 3:8

- (i) 144 (ii) 142 (iii) 27 (iv) 146 (v) 143

2. Find the product of extremes of $\frac{3}{10} : \frac{1}{6}$ and $\frac{4}{15} : \frac{11}{20}$

- (i) $\frac{7}{40}$ (ii) $\frac{1}{6}$ (iii) $\frac{2}{45}$ (iv) $\frac{31}{200}$ (v) $\frac{33}{200}$

3. Find the product of means of 10:13 and 18:19

- (i) 234 (ii) 237 (iii) 232 (iv) 233 (v) 190

4. Find the product of means of $\frac{9}{20} : \frac{11}{12}$ and $\frac{6}{11} : \frac{13}{16}$

- (i) $\frac{117}{320}$ (ii) $(-\frac{1}{2})$ (iii) $\frac{3}{2}$ (iv) 1 (v) $\frac{1}{2}$

5. Which of the ratios is proportional to 18 : 3?

- (i) 30:5 (ii) 30:2 (iii) 29:5 (iv) 30:7 (v) 31:5

6. Find the missing value in the equation ___ : 1 = 45 : 3

- (i) 14 (ii) 15 (iii) 18 (iv) 16 (v) 12

7. Find the missing value in the equation 18 : ___ = 42 : 7

- (i) 2 (ii) 3 (iii) 1 (iv) 4 (v) 5

8. Find the missing value in the equation 33 : 1 = ___ : 5

- (i) 166 (ii) 168 (iii) 162 (iv) 165 (v) 164

9. Find the missing value in the equation 2 : 1 = 10 : ___

- (i) 2 (ii) 8 (iii) 4 (iv) 5 (v) 6

10. Find the number which bears the same ratio to $\frac{3}{4}$ that $\frac{1}{3}$ does to $\frac{9}{32}$

- (i) $\frac{2}{3}$ (ii) $\frac{8}{11}$ (iii) $\frac{10}{9}$ (iv) $\frac{8}{9}$ (v) $\frac{8}{7}$

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

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

12. The ratio 5 : 2 is proportional to which of the following ratios?

- (i) 20:8 (ii) 10:6 (iii) 30:10 (iv) 15:4 (v) 25:12

13. Which of the following represents a proportion ?

(i) $33:41::66:123$ (ii) $32:40::160:200$ (iii) $34:42::102:84$ (iv) $31:39::93:156$ (v) $30:38::120:114$

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

(i) $9:15::36:60$ (ii) $8:16::40:80$ (iii) $10:14::30:42$ (iv) $4:6::8:18$ (v) $18:24::36:48$

15. If $15:x::9:15$, find 'x'

(i) 25 (ii) 26 (iii) 23 (iv) 28 (v) 24

Assignment Key

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