

EduSahara™ Learning Center Assignment**Grade : Class VI, CBSE****Chapter : Ratio and Proportion****Name : Proportion Concepts****Licensed To : Teachers and Students for non-commercial use**

1. Find the missing value in the equation ____ : 7 = 32 : 8

(i) 28 (ii) 31 (iii) 27 (iv) 26 (v) 29

2. Find the missing value in the equation 38 : ____ = 190 : 5

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

3. Find the missing value in the equation 12 : 3 = ____ : 4

(i) 15 (ii) 18 (iii) 14 (iv) 16 (v) 17

4. Find the missing value in the equation 12 : 3 = 16 : ____

(i) 7 (ii) 1 (iii) 4 (iv) 3 (v) 5

5. Find the product of extremes of 14 : 3 and 5 : 1

(i) 15 (ii) 12 (iii) 16 (iv) 13 (v) 14

6. Find the product of extremes of $\frac{6}{19} : \frac{5}{13}$ and $\frac{14}{19} : \frac{18}{13}$

(i) $\frac{110}{247}$ (ii) $\frac{70}{247}$ (iii) $\frac{106}{247}$ (iv) $\frac{108}{247}$ (v) $\frac{108}{245}$

7. Find the product of means of 10 : 18 and 18 : 12

(i) 120 (ii) 321 (iii) 323 (iv) 326 (v) 324

8. Find the product of means of $\frac{13}{8} : \frac{7}{20}$ and $\frac{11}{8} : \frac{11}{15}$

(i) $\frac{15}{32}$ (ii) $\frac{79}{160}$ (iii) $\frac{77}{160}$ (iv) $\frac{143}{120}$ (v) $\frac{77}{158}$

9. Which of the ratios is proportional to 8 : 2 ?

(i) 12 : 1 (ii) 11 : 3 (iii) 13 : 3 (iv) 12 : 5 (v) 12 : 3

10. A ratio is equal to 49 : 20 . If its antecedent is 980 , what is its consequent?

- (i) 398 (ii) 400 (iii) 401 (iv) 402 (v) 399
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11. A ratio is equal to 1 : 15 . If its consequent is 5460 , what is its antecedent?

- (i) 367 (ii) 365 (iii) 361 (iv) 364 (v) 363
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12. Find the number which bears the same ratio to $\frac{1}{4}$ that $\frac{3}{6}$ does to $\frac{1}{5}$

- (i) $\frac{5}{6}$ (ii) $\frac{7}{8}$ (iii) $\frac{5}{8}$ (iv) $\frac{1}{2}$ (v) $\frac{3}{8}$
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Assignment Key

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