EduSahara™ Learning Center Assignment

Grade : Class VI, SSC
Chapter : Ratio and Proportion
Name : Ratio Concepts
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1. The ratio equivalent of the fraction $\frac{5}{4}$ =

   (i) 4 : 4 (ii) 5 : 4 (iii) 5 : 7 (iv) 4 : 5 (v) 5 : 2

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2. The ratio equivalent of the fraction $\frac{85}{67}$ =

   (i) 85 : 67 (ii) 84 : 67 (iii) 67 : 85 (iv) 85 : 69 (v) 85 : 65

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3. The fraction equivalent of the ratio 1 : 5 =

   (i) $\frac{3}{5}$ (ii) $\frac{1}{3}$ (iii) $(\frac{-1}{5})$ (iv) $\frac{1}{5}$ (v) $\frac{5}{1}$

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4. The fraction equivalent of the ratio 78 : 56 =

   (i) $\frac{10}{7}$ (ii) $\frac{56}{78}$ (iii) $\frac{78}{56}$ (iv) $\frac{19}{14}$ (v) $\frac{13}{9}$

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5. The antecendent in the ratio 3 : 2 =

   (i) -1 (ii) 6 (iii) 3 (iv) 2

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6. The antecendent in the ratio $\frac{19}{11} : \frac{6}{7}$ =

   (i) $\frac{19}{11}$ (ii) $\frac{21}{11}$ (iii) $\frac{6}{7}$ (iv) $\frac{4}{7}$ (v) $\frac{19}{9}$

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7. The consequent in the ratio 3 : 10 =

   (i) 1 (ii) 9 (iii) 13 (iv) 3 (v) 10

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8. The consequent in the ratio $\frac{19}{7} : \frac{1}{16}$ =

   (i) $\frac{17}{7}$ (ii) $\frac{19}{7}$ (iii) $\frac{1}{14}$ (iv) $\frac{1}{16}$ (v) $\frac{3}{16}$

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9. The simplest form of 6 : 114 =

(i) 1 : 17 (ii) 0 : 19 (iii) 6 : 117 (iv) 2 : 19 (v) 1 : 19

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10. Find the missing value in the equation ____ : 3 = 54 : 9

(i) 19 (ii) 17 (iii) 18 (iv) 15 (v) 20

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11. Find the missing value in the equation 30 : ____ = 18 : 3

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

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12. Find the missing value in the equation 32 : 8 = ____ : 3

(i) 11 (ii) 13 (iii) 9 (iv) 15 (v) 12

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13. Find the missing value in the equation 15 : 1 = 45 : ____

(i) 4 (ii) 2 (iii) 3 (iv) 1 (v) 6

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14. Which of the ratios is proportional to 24 : 6 ?

(i) 28 : 9 (ii) 28 : 5 (iii) 28 : 7 (iv) 27 : 7 (v) 29 : 7

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15. A ratio is equal to 7 : 5 . If its antecendent is 1470 , what is its consequent?

(i) 1053 (ii) 1051 (iii) 1048 (iv) 1049 (v) 1050

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16. A ratio is equal to 7 : 1 . If its consequent is 945 , what is its antecendent?

(i) 6615 (ii) 6617 (iii) 6613 (iv) 6616 (v) 6614

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17. Find the number which bears the same ratio to $\frac{3}{5}$ that $\frac{1}{4}$ does to $\frac{9}{40}$

(i) $\frac{2}{3}$ (ii) $\frac{2}{5}$ (iii) 0 (iv) $\frac{4}{3}$ (v) 2

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18. If the cost of 410 apples is ₹820.00 and the cost of 160 apples is ₹320.00, the ratio of apples =

(i) 42 : 16 (ii) 41 : 16 (iii) 40 : 16 (iv) 41 : 14 (v) 41 : 19

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19. If the cost of 18 apples is ₹630.00 and the cost of 140 apples is ₹4900.00, the ratio of apples cost =

(i) 9 : 70 (ii) 10 : 70 (iii) 9 : 67 (iv) 8 : 70 (v) 9 : 72

Assignment Key

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