EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Ratio - Applications

Grade : SSC Grade VII

1. $\frac{2}{4}$ =

   (i) 50.00% (ii) 51.00% (iii) 52.00% (iv) 48.00% (v) 49.00%

2. If S.P = ₹2910.00 and loss = ₹490.00, then C.P =

   (i) ₹3220.00 (ii) ₹3400.00 (iii) ₹3540.00 (iv) ₹3130.00 (v) ₹3570.00

3. If the simple interest on a certain principal is ₹1300.00 for 5 year(s) at ROI 2.00% p.a. computed annually, then what is the simple interest for the same principal and ROI for 3 year(s)?

   (i) ₹778.00 (ii) ₹779.00 (iii) ₹781.00 (iv) ₹782.00 (v) ₹780.00

4. Find the ratio between 12 hr and 3 days

   (i) 1:6 (ii) 1:9 (iii) 0:6 (iv) 1:3

5. A ratio is equal to 49 : 4. If its antecendent is 2205, what is its consequent?

   (i) 181 (ii) 182 (iii) 179 (iv) 177 (v) 180

6. Find loss percentage formula.

   (i) $[\frac{\text{S.P} - \text{C.P}}{\text{S.P}} \times 100]\%$ (ii) $[\frac{\text{C.P} - \text{S.P}}{\text{C.P}} \times 100]\%$ (iii) $[\frac{\text{C.P} - \text{S.P}}{\text{S.P}} \times 100]\%$ (iv) $[\frac{\text{S.P} - \text{C.P}}{\text{C.P}} \times 100]\%$

7. Given SI = simple interest, P = principal, T = time, R = rate percent per annum, find principal

   (i) $\frac{100 \text{ x SI}}{\text{P x T}}$ (ii) $\frac{100 \text{ x SI}}{\text{P x R}}$ (iii) $\frac{\text{PTR}}{100}$ (iv) $\frac{100 \text{ x SI}}{\text{R x T}}$

8. The antecendent in the ratio 9:16 =

   (i) 9 (ii) 12 (iii) 14 (iv) 8 (v) 16

9. A box contains 62 mangoes, 124 apples and 310 oranges. The ratio of mangoes and apples =

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

10. If S.P = ₹2330.00 and loss % = 20.21%, then C.P =

    (i) ₹3100.00 (ii) ₹2870.00 (iii) ₹2750.00 (iv) ₹2920.00

11. If S.P = ₹1220.00 and discount = ₹3270.00, then M.P =

    (i) ₹4460.00 (ii) ₹4490.00 (iii) ₹4660.00 (iv) ₹4570.00 (v) ₹4340.00

12. 0.40 =

    (i) 42.00% (ii) 40.00% (iii) 38.00% (iv) 41.00% (v) 39.00%

13. A box contains 224 mangoes, 32 apples and 160 oranges. The ratio of all fruits in the box =

    (i) 7:1:5 (ii) 8:1:5 (iii) 7:-1:5 (iv) 7:3:5 (v) 6:1:5

14. Let the present value of a machine be P. If it depreciates at the rate of r% per annum, the value of the machine after n years is

(i) $\frac{P}{[1-\frac{100}{r}]^n}$ (ii) $P[1-\frac{100}{r}]^n$ (iii) $\frac{P}{[1-\frac{r}{100}]^n}$ (iv) $P[1-\frac{r}{100}]^n$

15. If 15 men can make 75 sweaters in a day, how many sweaters are made by 23 men in a day?

(i) 117 (ii) 116 (iii) 114 (iv) 112 (v) 115

16. Find the product of means of 10 : 5 and 14 : 15

(i) 70 (ii) 69 (iii) 73 (iv) 150 (v) 67

17. The simplest form of 108 : 180 =

(i) 108 : 183 (ii) 4 : 5 (iii) 3 : 3 (iv) 2 : 5 (v) 3 : 5

18. If the cost of 15 apples is ₹510.00, the cost of 140 apples =

(i) ₹4620.00 (ii) ₹4700.00 (iii) ₹5030.00 (iv) ₹4810.00 (v) ₹4760.00

19. Divide 646 in the ratio $\frac{4}{9} : \frac{5}{3}$

(i) 136 , 508 (ii) 137 , 510 (iii) 136 , 510 (iv) 136 , 513 (v) 135 , 510

20. Divide 3820 in the ratio 6 : 14

(i) 1145 , 2674 (ii) 1146 , 2676 (iii) 1146 , 2674 (iv) 1146 , 2672 (v) 1147 , 2674

21. The consequent in the ratio 19 : 15 =

(i) 17 (ii) 19 (iii) 18 (iv) 14 (v) 15

22. 3.00% of 100.00 + 8.00% of 100.00 =

(i) 11.00 (ii) 11.10 (iii) 10.80 (iv) 11.20 (v) 10.90

23. The consequent in the ratio $\frac{4}{17} : \frac{8}{17}$ =

(i) $\frac{2}{17}$ (ii) $\frac{8}{17}$ (iii) $\frac{8}{15}$ (iv) $\frac{4}{17}$ (v) $\frac{10}{17}$

24. Find the mean proportional of 8 and 2

(i) 1 (ii) 4 (iii) 8 (iv) 16 (v) 2

25. Find the fourth proportional of 24 , 4 and 30

(i) 5 (ii) 30 (iii) 4 (iv) 7 (v) 3

Assignment Key

1) (i)	2) (ii)	3) (v)	4) (i)	5) (v)	6) (ii)
7) (iv)	8) (i)	9) (i)	10) (iv)	11) (ii)	12) (ii)
13) (i)	14) (iv)	15) (v)	16) (i)	17) (v)	18) (v)
19) (iii)	20) (iii)	21) (v)	22) (i)	23) (ii)	24) (ii)
25) (i)					