Name: Chapter Based Worksheet

Chapter: Ratio - Applications

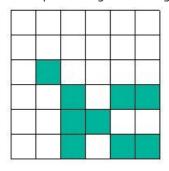
Grade: SSC Grade VII

License: Non Commercial Use

1.	If $C.P =$	₹2990.00	and loss =	₹1910.00.	then $S.P =$

- (i) ₹1300.00 (ii) ₹1250.00 (iii) ₹1080.00 (iv) ₹940.00 (v) ₹930.00
- The population of a city is 40000. If the rate of decrease in population is 5.00% per annum, what is the population after 2 year(s)?
 - (i) 36080 (ii) 36100 (iii) 36110 (iv) 36090 (v) 36120
- 3. The sales tax for ₹100 of a bill is ₹12. How much sales tax has to be paid for a bill of ₹366?
 - (i) ₹46.92 (ii) ₹40.92 (iii) ₹48.92 (iv) ₹43.92 (v) ₹38.92
- 4.5.00 =
 - (i) 499.00% (ii) 501.00% (iii) 498.00% (iv) 502.00% (v) 500.00%
- 5.0.30 =
 - (i) 32.00% (ii) 29.00% (iii) 30.00% (iv) 31.00% (v) 28.00%
- 6. A train from Calcutta travelling at a speed of 68kmph reaches Chennai in 5hr. If the train should reach Chennai in 2hr, what should be its speed?
 - (i) 171 kmph (ii) 169 kmph (iii) 172 kmph (iv) 170 kmph (v) 168 kmph
- 7. A box contains 375 fruits of 3 types. There are 150 mangoes and 100 apples. The number of oranges in the box =
 - (i) 124 (ii) 122 (iii) 126 (iv) 125 (v) 127
- 8. If the simple interest on a certain principal is ₹880.00 for 4 year(s) at ROI 2.00% p.a. computed annually, then what is the simple interest for the same principal at 6.00% p.a. ROI and duration 3 year(s)?
 - (i) ₹1978.00 (ii) ₹1980.00 (iii) ₹1982.00 (iv) ₹1979.00 (v) ₹1981.00
- 9. The cost of an article is ₹310.00. If it is decreased by 42.00%, what is the new cost of the article?
 - (i) ₹178.80 (ii) ₹180.80 (iii) ₹177.80 (iv) ₹179.80 (v) ₹181.80
- 10. 0.72%=
 - (i) $\frac{7}{1250}$ (ii) $\frac{9}{1250}$ (iii) $\frac{3}{416}$ (iv) $\frac{9}{1252}$ (v) $\frac{11}{1250}$
- 11. The cost of an article is ₹100.00. If it is decreased by 1.00%, what is the new cost of the article?
 - (i) ₹99.00 (ii) ₹97.00 (iii) ₹100.00 (iv) ₹98.00 (v) ₹101.00

12. What percentage of the figure is shaded?

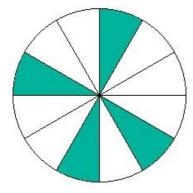


(i) 25.00% (ii) 27.00% (iii) 24.00% (iv) 26.00% (v) 23.00%

13. If M.P = ₹4370.00 and discount = ₹1420.00, then discount % =

(i) 32.49% (ii) 27.49% (iii) 29.49% (iv) 35.49% (v) 37.49%

14. What percentage of the figure is shaded?



(i) 34.33% (ii) 33.33% (iii) 32.33% (iv) 35.33% (v) 31.33%

15. Find the missing value in the equation = :1 = 76:2

(i) 38 (ii) 39 (iii) 35 (iv) 41 (v) 37

16. Find the ratio between 5 gm and 6 kg

(i) 1:1200 (ii) 1:1202 (iii) 0:1200 (iv) 1:1197

17. Divide 745 in the ratio 1:4

(i) 149,596 (ii) 149,599 (iii) 148,596 (iv) 149,593 (v) 150,596

18. If 'a' exceeds 'b' by 7.00%, then 'b' is short of 'a' by

(i) 7.54% (ii) 5.54% (iii) 8.54% (iv) 6.54% (v) 4.54%

19. In a school of 600 students, 360 students are boys. The number of boys who passed the final exam is 260. The number of girls who failed is 160. The percentage of students who passed the exam =

(i) 54.67% (ii) 55.67% (iii) 58.67% (iv) 56.67% (v) 57.67%

20. Out of 79 articles, 2 were damaged. What is the percentage of good articles?

(i) 95.47% (ii) 98.47% (iii) 97.47% (iv) 99.47% (v) 96.47%

21. In a school of 400 students, 300 students are boys. The number of boys who failed the final exam is 110. The percentage of girls who failed is 80.00%. The number of girls who failed =

(i) 83 (ii) 81 (iii) 79 (iv) 77 (v) 80

22. If S.P = ₹1260.00 and loss = ₹560.00, then C.P =

(i) ₹1760.00 (ii) ₹1820.00 (iii) ₹1990.00 (iv) ₹1560.00 (v) ₹2100.00

23. Find the ratio between 5 min and 16 hr

(i) 1:195 (ii) 0:192 (iii) 1:190 (iv) 1:192

24. A bus ticket fare for 19 km costs ₹70. How much is the fare for 14 km?

(i) ₹51.58 (ii) ₹54.58 (iii) ₹48.58 (iv) ₹56.58 (v) ₹46.58

25. Find the product of extremes of 7:8 and 15:13

(i) 90 (ii) 94 (iii) 120 (iv) 91 (v) 88

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

Copyright © Small Systems Computing Pvt. Ltd.