EduSahara™ Assignment

Name : Word Problems on Percentages

Chapter : Ratio - Applications

Grade : SSC Grade VII

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1. Out of 74 articles, 5 were damaged. What is the percentage of good articles?

   (i) 95.24% (ii) 91.24% (iii) 93.24% (iv) 92.24% (v) 94.24%

2. 7.00% of a number is 24.50. What is 9.00% of the number?

   (i) 33.5 (ii) 30.5 (iii) 32.5 (iv) 29.5 (v) 31.5

3. The cost of an article is ₹80.00. If it is increased by 3.00%, what is the new cost of the article?

   (i) ₹84.40 (ii) ₹80.40 (iii) ₹82.40 (iv) ₹81.40 (v) ₹83.40

4. The cost of an article is ₹20.00. If it is decreased by 2.00%, what is the new cost of the article?

   (i) ₹20.60 (ii) ₹18.60 (iii) ₹21.60 (iv) ₹17.60 (v) ₹19.60

5. The population of a city is 30000. If the rate of increase in population is 3.00% per annum, what is the population after 2 year(s)?

   (i) 31807 (ii) 31817 (iii) 31837 (iv) 31847 (v) 31827

6. The population of a city is 50000. If the rate of decrease in population is 6.00% per annum, what is the popoulation after 4 year(s)?

   (i) 39037 (ii) 39027 (iii) 39057 (iv) 39017 (v) 39047

7. If 10.00% and 8.00% are two successive changes, then the overall change is

   (i) 20.80% (ii) 16.80% (iii) 18.80% (iv) 19.80% (v) 17.80%

8. The present value of a machine is ₹4000.00. Suppose it depreciates at the rate of 8.00% per annum, what is the value of the machine after 4 year(s)?

   (i) ₹2866.57 (ii) ₹2865.57 (iii) ₹2864.57 (iv) ₹2867.57 (v) ₹2863.57

9. The present value of a machine is ₹4000.00. Suppose it depreciates at the rate of 3.00% per annum, what was the value of the machine 3 year(s) ago?

   (i) ₹4383.73 (ii) ₹4380.73 (iii) ₹4384.73 (iv) ₹4381.73 (v) ₹4382.73

10. If the price of a commodity increases by 9.00%, the reduction in consumption so as not to increase the expenditure is

    (i) 7.26% (ii) 10.26% (iii) 6.26% (iv) 8.26% (v) 9.26%

11. If the price of a commodity decreases by 5.00%, the increase in consumption so as to match the expenditure is

    (i) 3.26% (ii) 4.26% (iii) 6.26% (iv) 5.26% (v) 7.26%

12. If 'a' exceeds 'b' by 9.00%, then 'b' is short of 'a' by

    (i) 10.26% (ii) 7.26% (iii) 6.26% (iv) 8.26% (v) 9.26%

13. If 'a' is short of 'b' by 8.00%, then 'b' exceeds 'a' by

    (i) 9.70% (ii) 7.70% (iii) 6.70% (iv) 8.70% (v) 10.70%

14. If the radius of a circle is decreased by 2.00%, its area will decrease by

(i) 3.96% (ii) 5.96% (iii) 4.96% (iv) 1.96% (v) 2.96%

Assignment Key

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

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