

**EduSahara™ Learning Center Assignment****Grade : Class VII, SSC****Chapter : Ratio – Applications****Name : Word Problems on Percentages****Licensed To : Teachers and Students for non-commercial use**

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1. Out of 76 articles, 2 were damaged. What is the percentage of good articles?

(i) 99.37% (ii) 97.37% (iii) 95.37% (iv) 98.37% (v) 96.37%

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2. 1.00% of a number is 1.00 . What is 1.00% of the number?

(i) 2 (ii) 3 (iii) 0 (iv) 9 (v) 1

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3. The cost of an article is ₹50.00. If it is increased by 5.00%, what is the new cost of the article?

(i) ₹52.50 (ii) ₹53.50 (iii) ₹54.50 (iv) ₹50.50 (v) ₹51.50

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4. The cost of an article is ₹100.00. If it is decreased by 4.00%, what is the new cost of the article?

(i) ₹96.00 (ii) ₹98.00 (iii) ₹94.00 (iv) ₹97.00 (v) ₹95.00

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5. The population of a city is 40000. If the rate of increase in population is 3.00% per annum, what is the population after 5 years?

(i) 46381 (ii) 46351 (iii) 46361

(iv) 46371 (v) 46391

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6. The population of a city is 50000. If the rate of decrease in population is 6.00% per annum, what is the population after 3 years?

(i) 41549 (ii) 41519 (iii) 41529

(iv) 41509 (v) 41539

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7. If 8.00% and 2.00% are two successive changes, then the overall change is

(i) 9.16% (ii) 8.16% (iii) 11.16% (iv) 10.16% (v) 12.16%

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8. The present value of a machine is ₹2000.00. Suppose it depreciates at the rate of 5.00% per annum, what is the value of the machine after 2 years?

(i) ₹1807.00 (ii) ₹1805.00 (iii) ₹1803.00

(iv) ₹1804.00 (v) ₹1806.00

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9. The present value of a machine is ₹10000.00. Suppose it depreciates at the rate of 9.00% per annum, what was the value of the machine 1 years ago?
- (i) ₹10989.01 (ii) ₹10988.01 (iii) ₹10990.01  
(iv) ₹10987.01 (v) ₹10991.01
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10. If the price of a commodity increases by 7.00%, the reduction in consumption so as not to increase the expenditure is
- (i) 5.54% (ii) 6.54% (iii) 8.54% (iv) 7.54% (v) 4.54%
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11. If the price of a commodity decreases by 8.00%, the increase in consumption so as to match the expenditure is
- (i) 9.70% (ii) 10.70% (iii) 6.70% (iv) 7.70% (v) 8.70%
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12. If 'a' exceeds 'b' by 4.00%, then 'b' is short of 'a' by
- (i) 1.85% (ii) 4.85% (iii) 5.85% (iv) 3.85% (v) 2.85%
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13. If 'a' is short of 'b' by 3.00%, then 'b' exceeds 'a' by
- (i) 4.09% (ii) 2.09% (iii) 3.09% (iv) 5.09% (v) 1.09%
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14. If the radius of a circle is decreased by 9.00%, its area will decrease by
- (i) 16.19% (ii) 18.19% (iii) 15.19% (iv) 17.19% (v) 19.19%
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## Assignment Key

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