EduSahara™ Assignment

Name : Percentage Applications

Chapter : Percentage

Grade : ICSE Grade VI

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1. Out of 22 articles, 1 were damaged. What is the percentage of good articles?

   (i) 94.45% (ii) 95.45% (iii) 97.45% (iv) 93.45% (v) 96.45%

2. Out of 709 articles, 90 were damaged. What is the percentage of good articles?

   (i) 86.31% (ii) 89.31% (iii) 87.31% (iv) 88.31% (v) 85.31%

3. 2.00% of a number is 3.00. What is 8.00% of the number?

   (i) 12 (ii) 14 (iii) 11 (iv) 13 (v) 10

4. 25.00% of a number is 412.50. What is 48.00% of the number?

   (i) 791 (ii) 790 (iii) 794 (iv) 793 (v) 792

5. In a school of 700 students, 70 students are boys. The number of boys who failed the final exam is 20. The number of girls who failed is 300. The percentage of boys who passed the exam =

   (i) 73.43% (ii) 70.43% (iii) 72.43% (iv) 71.43% (v) 69.43%

6. In a school of 500 students, 350 students are boys. The number of boys who failed the final exam is 230. The number of girls who failed is 120. The percentage of girls who passed the exam =

   (i) 21.00% (ii) 22.00% (iii) 19.00% (iv) 20.00% (v) 18.00%

7. In a school of 900 students, 630 students are boys. The number of boys who failed the final exam is 310. The number of girls who failed is 100. The percentage of boys who failed the exam =

   (i) 49.21% (ii) 51.21% (iii) 50.21% (iv) 48.21% (v) 47.21%

8. In a school of 500 students, 100 students are boys. The number of boys who failed the final exam is 70. The number of girls who failed is 310. The percentage of girls who failed the exam =

   (i) 75.50% (ii) 79.50% (iii) 77.50% (iv) 78.50% (v) 76.50%

9. The cost of an article is ₹30.00. If it is increased by 6.00%, what is the new cost of the article?

   (i) ₹32.80 (ii) ₹31.80 (iii) ₹30.80 (iv) ₹29.80 (v) ₹33.80

10. The cost of an article is ₹350.00. If it is increased by 17.00%, what is the new cost of the article?

    (i) ₹409.50 (ii) ₹410.50 (iii) ₹408.50 (iv) ₹407.50 (v) ₹411.50

11. The cost of an article is ₹10.00. If it is decreased by 3.00%, what is the new cost of the article?

    (i) ₹11.70 (ii) ₹7.70 (iii) ₹8.70 (iv) ₹9.70 (v) ₹10.70

12. The cost of an article is ₹320.00. If it is decreased by 46.00%, what is the new cost of the article?

    (i) ₹171.80 (ii) ₹170.80 (iii) ₹173.80 (iv) ₹172.80 (v) ₹174.80

13. The population of a city is 20000. If the rate of increase in population is 4.00% per annum, what is the population after 1 year(s)?

    (i) 20800 (ii) 20790 (iii) 20820 (iv) 20780 (v) 20810

14. The population of a city is 40000. If the rate of decrease in population is 2.00% per annum, what is the popoulation after 1 year(s)?

(i) 39180 (ii) 39210 (iii) 39200 (iv) 39190 (v) 39220

15. If 5.00% and 9.00% are two successive changes, then the overall change is

(i) 12.45% (ii) 14.45% (iii) 13.45% (iv) 16.45% (v) 15.45%

16. The present value of a machine is ₹2000.00. Suppose it depreciates at the rate of 4.00% per annum, what is the value of the machine after 5 year(s)?

(i) ₹1629.75 (ii) ₹1628.75 (iii) ₹1630.75 (iv) ₹1632.75 (v) ₹1631.75

17. The present value of a machine is ₹2000.00. Suppose it depreciates at the rate of 5.00% per annum, what was the value of the machine 4 year(s) ago?

(i) ₹2454.48 (ii) ₹2456.48 (iii) ₹2457.48 (iv) ₹2453.48 (v) ₹2455.48

18. If the price of a commodity increases by 8.00%, the reduction in consumption so as not to increase the expenditure is

(i) 9.41% (ii) 6.41% (iii) 5.41% (iv) 8.41% (v) 7.41%

19. If the price of a commodity decreases by 2.00%, the increase in consumption so as to match the expenditure is

(i) 4.04% (ii) 0.04% (iii) 2.04% (iv) 1.04% (v) 3.04%

20. If 'a' exceeds 'b' by 6.00%, then 'b' is short of 'a' by

(i) 7.66% (ii) 4.66% (iii) 5.66% (iv) 3.66% (v) 6.66%

21. If 'a' is short of 'b' by 6.00%, then 'b' exceeds 'a' by

(i) 7.38% (ii) 5.38% (iii) 4.38% (iv) 6.38% (v) 8.38%

22. If the radius of a circle is increased by 7.00%, its area will increase by

(i) 12.49% (ii) 14.49% (iii) 15.49% (iv) 16.49% (v) 13.49%

## Assignment Key

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

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