EduSahara™ Assignment

Name : Percentage Applications

Chapter : Percentage

Grade : ICSE Grade VI

1. Out of 27 articles, 9 were damaged. What is the percentage of good articles?

   (i) 67.67% (ii) 66.67% (iii) 68.67% (iv) 64.67% (v) 65.67%

2. Out of 178 articles, 91 were damaged. What is the percentage of good articles?

   (i) 47.88% (ii) 50.88% (iii) 46.88% (iv) 49.88% (v) 48.88%

3. 5.00% of a number is 7.50. What is 2.00% of the number?

   (i) 2 (ii) 3 (iii) 5 (iv) 1 (v) 4

4. 39.00% of a number is 604.50. What is 47.00% of the number?

   (i) 727.5 (ii) 728.5 (iii) 726.5 (iv) 729.5 (v) 730.5

5. In a school of 200 students, 100 students are boys. The number of boys who failed the final exam is 40. The number of girls who failed is 50. The percentage of boys who passed the exam =

   (i) 61.00% (ii) 62.00% (iii) 58.00% (iv) 59.00% (v) 60.00%

6. In a school of 200 students, 60 students are boys. The number of boys who failed the final exam is 40. The number of girls who failed is 80. The percentage of girls who passed the exam =

   (i) 44.86% (ii) 40.86% (iii) 41.86% (iv) 42.86% (v) 43.86%

7. In a school of 800 students, 520 students are boys. The number of boys who failed the final exam is 260. The number of girls who failed is 100. The percentage of boys who failed the exam =

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

8. In a school of 600 students, 90 students are boys. The number of boys who failed the final exam is 40. The number of girls who failed is 110. The percentage of girls who failed the exam =

   (i) 20.57% (ii) 23.57% (iii) 22.57% (iv) 21.57% (v) 19.57%

9. The cost of an article is ₹90.00. If it is increased by 9.00%, what is the new cost of the article?

   (i) ₹98.10 (ii) ₹99.10 (iii) ₹100.10 (iv) ₹96.10 (v) ₹97.10

10. The cost of an article is ₹340.00. If it is increased by 44.00%, what is the new cost of the article?

    (i) ₹487.60 (ii) ₹488.60 (iii) ₹489.60 (iv) ₹491.60 (v) ₹490.60

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) ₹100.00 (iii) ₹97.00 (iv) ₹101.00 (v) ₹98.00

12. The cost of an article is ₹220.00. If it is decreased by 41.00%, what is the new cost of the article?

    (i) ₹128.80 (ii) ₹130.80 (iii) ₹127.80 (iv) ₹131.80 (v) ₹129.80

13. The population of a city is 50000. If the rate of increase in population is 3.00% per annum, what is the population after 3 year(s)?

    (i) 54626 (ii) 54656 (iii) 54646 (iv) 54636 (v) 54616

14. The population of a city is 20000. If the rate of decrease in population is 3.00% per annum, what is the popoulation after 4 year(s)?

(i) 17726 (ii) 17686 (iii) 17696 (iv) 17706 (v) 17716

15. If 6.00% and 9.00% are two successive changes, then the overall change is

(i) 17.54% (ii) 13.54% (iii) 15.54% (iv) 14.54% (v) 16.54%

16. The present value of a machine is ₹3000.00. Suppose it depreciates at the rate of 5.00% per annum, what is the value of the machine after 2 year(s)?

(i) ₹2706.50 (ii) ₹2707.50 (iii) ₹2709.50 (iv) ₹2708.50 (v) ₹2705.50

17. The present value of a machine is ₹5000.00. Suppose it depreciates at the rate of 2.00% per annum, what was the value of the machine 1 year(s) ago?

(i) ₹5103.04 (ii) ₹5101.04 (iii) ₹5100.04 (iv) ₹5104.04 (v) ₹5102.04

18. If the price of a commodity increases by 3.00%, the reduction in consumption so as not to increase the expenditure is

(i) 1.91% (ii) 0.91% (iii) 3.91% (iv) 2.91% (v) 4.91%

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

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

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

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

21. If 'a' is short of 'b' by 2.00%, then 'b' exceeds 'a' by

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

22. If the radius of a circle is increased by 6.00%, its area will increase by

(i) 11.36% (ii) 14.36% (iii) 13.36% (iv) 12.36% (v) 10.36%

Assignment Key

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