



INDIAN SCHOOL SOHAR
PERIODIC TEST – II
MATHEMATICS

SET - I

Class VIII

Max. Marks: 20

15.01.2018

Duration: 40min.

All questions are compulsory.

1. Shiv went to a restaurant and ordered for a pizza. When he saw the bill, he was surprised to notice that it was Rs.345 which was 15% more than the bill of the last time. What was the price of the same pizza when he came last time? [1]
 2. Find the product $(ab)(4a^2b)(5ab^2)$ [1]
 3. The diagonals of a rhombus are 10cm and 24cm. Find the area of the rhombus. [1]
 4. Using the identity $(a + b)(a - b) = a^2 - b^2$, find the value of 105×95 [2]
 5. Find the volume of a cylindrical can of height 21cm and base radius 8cm. $\left[\pi = \frac{22}{7} \right]$ [2]
- [P T O]



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6. A rectangular room of dimensions 9m x 7m x 3m is to be painted. If it costs Rs. 75 per square metre, find the cost of painting the walls of the room. [3]
7. Simplify $(3x + 4)^2 - (3x - 4)^2$ [3]
8. Simi bought a plot of land for Rs. 22,00,000. She built a boundary wall around it which cost her Rs.1,95,000. She advertised in the local newspaper about her intention to sell it which cost her Rs.5,000. She was finally able to sell it for Rs. 27,00,000. What is her profit per cent? [3]
9. Find the difference between compound interest and simple interest on a sum of Rs. 12000 at the rate of 12% per annum for 2 years compounded annually. [4]

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