



INDIAN SCHOOL SOHAR
PERIODIC ASSESSMENT – II (2019-20)
MATHEMATICS

SET – I

Class VIII

Max. Marks: 15

20/01/2020

Duration: 45min.

1. Find the product $(-6ab^2) \times (4a^2b) \times (3a^2b^2)$ [1]

2. Using suitable identity, find the value of $881.7^2 - 118.3^2$

OR

Using suitable identity, find the value of 1007×993 [2]

3. Vikram bought a watch for Rs. 810. If this amount includes 8% of GST on the list price, what was the list price of the watch? [2]

4. Show that $\left(\frac{4}{3}m - \frac{3}{4}n\right)^2 + 2mn = \frac{16}{9}m^2 + \frac{9}{16}n^2$ [3]

[P. T.O]



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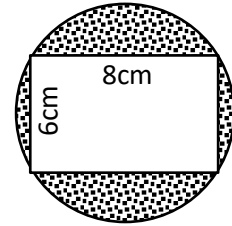
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5. Find the area of a rhombus having each side equal to 13cm and one of whose diagonals is 24cm.

OR

In fig. if diagonals of the rectangle are the diameters of the circle, find the area of the shaded region. $[\pi = 3.14]$



[3]

6. Find the difference between compound interest and simple interest on a sum of Rs. 24000 at the rate of 8% per annum for 1 year compounded half yearly.

OR

The population of a place increased to 14,58,000 in 2018 at the rate of 8% per annum.

- i) Find the population in 2016.
- ii) What would be its population in 2020?

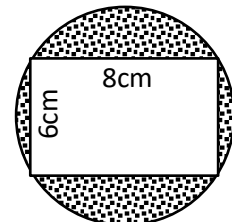
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