

Full Year 9th Grade Review

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Answer the questions

- (1) ABCD is a quadrilateral in which AB is parallel to CD and AD = BC = 5 cm. If <A = 105 *, find the value of <B.</p>
- (2) A sphere is just enclosed inside a cube of volume 72 cm3. Find the volume of the sphere.
- (3) Vinayak got an average score of 82.25 in 4 tests. He got 83 as the average of the highest 3 scores, and his lowest two scores are the same numbers. What is the average of his highest two scores?
- (4) Examine if the following numbers are rational or irrational.

(5) The length and breadth of a rectangle is 20 cm and 99 cm. Find the radius of circumcircle of this rectangle.

Choose correct answer(s) from given choice

(6) The three angles of a quadrilateral are 29 °, 31 ° and 144 ° respectively. Find the fourth angle.

(7) Harsh is part of the school cricket team, and this year he has scored an average of 46 runs. He has played 5 innings so far, and his scores in 4 of them are 46, 45, 39, 55

What was his score in the last one?

a. 49

c. 39

- d. 44
- (8) From a point in the interior of an equilateral triangle, perpendiculars are drawn on the three

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A Loxley

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