

# CBSE Class 9 Maths Sample Paper Set 4

**SUBJECT: MATHEMATICS****CLASS : IX****MAX. MARKS : 80****DURATION : 3 HRS****General Instruction:**

- (i) All questions are compulsory.
- (ii) This question paper contains **30** questions divided into four Sections A, B, C and D.
- (iii) **Section A** comprises of 6 questions of **1 mark** each. **Section B** comprises of 6 questions of **2 marks** each. **Section C** comprises of 10 questions of **3 marks** each and **Section D** comprises of 8 questions of **4 marks** each.
- (iv) There is no overall choice. However, an internal choice has been provided in two questions in 1 mark each, two questions in 2 marks each, four questions of 3 marks each and three questions of 4 marks each. You have to attempt only one of the alternatives in all such questions.
- (v) Use of Calculators is not permitted

**SECTION – A****Questions 1 to 6 carry 1 mark each.**

1. Find the value of  $(81)^{0.16} \times (81)^{0.09}$ .
2. A rabbit covers  $y$  metres distance by walking 10 metres in slow motion and the remaining by  $x$  jumps, each jump contains 2 metres. Express this information in linear equation.  
**OR**  
At what point the graph of the linear equation  $2x - y = 7$  cuts the  $y$ -axis.
3. In the given figure, find the value of  $x$  and  $y$  where  $O$  is the centre of the circle.



4. Find the area of an equilateral triangle with side  $2\sqrt{3}$  cm.
5. Two coins are tossed simultaneously 500 times, and we get  
Two heads : 105 times      One head : 275 times  
Find the probability of getting 0 head.  
**OR**  
If the probability of winning a game is 0.4, what is the probability of losing it?
6. Find the height of cone, if its slant height is 34 cm and base diameter is 32 cm.

**SECTION – B****Questions 6 to 12 carry 2 marks each.**

7. Using suitable identity, evaluate  $(-32)^3 + (18)^3 + (14)^3$

**OR**If  $f(x) = x^2 - 4x + 6$ , find  $f(1) - f(-1)$

# Maths Sample Paper For Class Sa9marks

**Chao Zhang**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

**Maths Sample Paper For Class Sa9marks:**

## **Maths Sample Paper For Class Sa9marks** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has be more evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **Maths Sample Paper For Class Sa9marks**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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