

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 $(-32)^3 + (18)^3 + (14)^3$

ORIf $f(x) = x^2 - 4x + 6$, find $f(1) - f(-1)$

Past Exam Papers Grade Maths

Peter Sherran



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Examination papers Royal university of Ireland, 1894 **Last 5+1 Year's CBSE Class 12th Mathematics Solved Question Papers - eBook** JagranJosh, 2017-11-22 This Combo Package prepared by CBSE Exam experts at Jagranjosh.com is a kind of must have for the students appearing for Class 12th Mathematics Paper in the coming CBSE Board 2018 Exam 1 This Combo Package includes CBSE Class 12 Mathematics Solved Question Paper 2017 CBSE Class 12 Mathematics Solved Question Paper 2016 Set 3 CBSE Class 12 Mathematics Solved Question Paper 2015 Set 2 CBSE Class 12 Mathematics Solved Question Paper 2014 Set 1 CBSE Class 12 Mathematics Solved Question Paper 2013 Set 3 CBSE Class 12 Mathematics Solved Question Paper 2012 Set 3 2 The Package strictly follows the pattern of CBSE Class 12th Syllabus 3 It also contains the detailed explanation for each question solved 4 It will help you strengthen the concepts at class 12th level 5 This Package will surely Build your confidence to score excellent marks in following Board Exam Paper Key Feature Free Class 12th Mathematics 2012 Solved Paper ebook Ideal to understand the exam pattern Will give a clear idea of how to study and what to study for the exam *Experiencing School Mathematics* Jo Boaler, 2002-12-18 NORTH AMERICAN RIGHTS ONLY This is a revised edition of *Experiencing School Mathematics* first published in 1997 by Open University Press Jo Boaler This revised edition is for sale in North America only The first book to provide direct evidence for the effectiveness of traditional and reform oriented teaching methods *Experiencing School Mathematics* reports on careful and extensive case studies of two schools that taught mathematics in totally different ways Three hundred students were followed over three years providing an unusual and important range of data including observations interviews questionnaires and assessments to show the ways students beliefs and understandings were shaped by the different approaches to mathematics teaching The interviews that are reproduced in the book give compelling insights into what it meant to be a student in the classrooms of the two schools Questions are raised about and new evidence is provided for the ways in which traditional and reform oriented mathematics teaching approaches can impact student attitude beliefs and achievement the effectiveness of different teaching methods in preparing students for the demands of the real world and the 21st century the impact of tracking and heterogeneous ability grouping and gender and teaching styles the potential of different teaching approaches for the attainment of equity The book draws some radical new conclusions about the ways that traditional teaching methods lead to limited forms of knowledge that are ineffective in non school settings This edition has been revised for the North American market to show the relevance of the study results in light of the U S reform movement the math wars and debates about teachers assessment and tracking The details of the study have been rewritten for an American audience and the results are compared with research conducted in the U S This is an important volume for mathematics teachers and researchers education policymakers and for students in mathematics education courses NOTE This is a revised edition of *Experiencing School Mathematics* first published in 1997 by Open University Press Jo Boaler This revised edition is for sale in North

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