

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 $f(1) - f(-1)$

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web sep 9 2018 hallux valgus hv deformity is one of the most common foot disorders 1 2 the pooled prevalence of hv deformity in the reported literature has been estimated to be 23 among those 18 to 65 years of age and 35 7 among those over 65 years of age 3 the pathogenesis of hv deformity is complex 4 surgical correction of deformity plays

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web sep 29 2022 background hallux valgus is a deformity at the base of the big toe or metatarsophalangeal mtp joint in which the great toe hallux is deviated or points toward the lesser toes in severe types of the deformity the great toe goes over or under the second toe the head of the first metatarsal does not have any musculotendinous attachments

prospect guideline for hallux valgus repair surgery a - Jul 14 2023

web jun 26 2020 hallux valgus repair is associated with moderate to severe postoperative pain the aim of this systematic

review was to assess the available literature and develop recommendations for optimal pain management after hallux valgus repair a systematic review using procedure specific postoperative pain management prospect