

(ix)

$$\sqrt{21}$$

An irrational number.

$21 = 3 \times 7$  is an irrational number. And 3 and 7 are prime and irrational numbers.

(x)

$$\sqrt[3]{3}$$

An irrational number.

3 is a prime number. So, 3 is an irrational number.

**Question 3: Prove that each of the following numbers is irrational.**

(i)  $\sqrt{6}$

(ii)  $(2 - \sqrt{3})$

(iii)  $(3 + \sqrt{2})$

(iv)  $(2 + \sqrt{5})$

(v)  $(5 + 3\sqrt{2})$

(vi)  $3\sqrt{7}$

(vii)  $\frac{3}{\sqrt{5}}$

(viii)  $(2 - 3\sqrt{5})$

(ix)  $(\sqrt{3} + \sqrt{5})$

**Solution:**

(i)  $\sqrt{6}$

Let us suppose that  $\sqrt{6}$  is a rational number.

There exists two co-prime numbers, say p and q

So,  $\sqrt{6} = p/q$

Squaring both sides, we get

$$6 = p^2/q^2$$

$$\text{or } 6q^2 = p^2 \dots (1)$$

Which shows that,  $p^2$  is divisible by 6

This implies, p is divisible by 6

Let  $p = 6a$  for some integer a

Equation (1) implies:  $6q^2 = 36a^2$

$$\Rightarrow q^2 = 6a^2$$

$q^2$  is also divisible by 6

$\Rightarrow q$  is divisible by 6

# Rs Aggarwal Maths Class 10 Solutions Answer

**VM Jensen**



## **Rs Aggarwal Maths Class 10 Solutions Answer:**

*Arun Deep's CBSE 10 Years Solved Papers For Class 10 Exam 2025 - Comprehensive Handbook Of 4 Subjects - Year-Wise Board Solved Question Papers, Revised Syllabus (2014 to 2024)* Panel of Authors, 2024-04-28 Effortless Fast and Clear Review with Arun Deep's 10 Years Solved Papers for CBSE Class 10 Board Exams in 2025 Our Handbook includes Solved Papers for 4 Subjects English Mathematics Science and Social Science **Solutions of RS Aggarwal Mathematics**

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**Bloomsbury—An Activity-based Integrated Course Class 5 Semester 1 AY (2023-24) Onward** Leena Kapoor, Dr Lucy Shaily, R. S. Dhauni, Nisha Mudgal, Neelima Jain, Kavita Thareja, Tinkoo Bhattacharjee, Nalini Aggarwal, Sr. Vijaya, Sara George, 2023-05-20 Bloomsbury An Activity based Integrated Course for LKG UKG and Classes 1 to 5 has been designed and formulated in accordance with the guidelines of National Education Policy NEP 2020 The series comprises a set of fourteen books two for each class and one per semester Semester books for LKG and UKG include English Mathematics and Environmental Science Semester books for Classes 1 and 2 include English Mathematics Environmental Science and General Knowledge Semester books for Classes 3 to 5 include English Mathematics Science Social Studies and General Knowledge The series is strictly aligned with the basic tenets of NEP 2020 Thus a lot of emphasis has been laid on promoting activity based and experiential approach to learning The series also seeks to develop the core twenty first century skills in learners which lie at the heart of NEP 2020 Besides great care has been taken to make learning a joyful experience for the learners All this will together lay a strong foundation at the primary level and lead to the holistic development of the learners at each

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**Bloomsbury—An Activity-based Integrated Course Class 4 Semester 1 AY (2023-24)Onward** Leena Kapoor,Dr Lucy Shaily,R. S. Dhauni,Nisha Mudgal,Neelima Jain,Kavita Thareja,Tinkoo Bhattacharjee,Nalini Aggarwal,Sr. Vijaya,Sara George,2023-05-20 Bloomsbury An Activity based Integrated Course for LKG UKG and Classes 1 to 5 has been designed and formulated in accordance with the guidelines of National Education Policy NEP 2020 The series comprises a set of fourteen books two for each class and one per semester Semester books for LKG and UKG include English Mathematics and Environmental Science Semester books for Classes 1 and 2 include English Mathematics Environmental Science and General Knowledge Semester books for Classes 3 to 5 include English Mathematics Science Social Studies and General Knowledge The series is strictly aligned with the basic tenets of NEP 2020 Thus a lot of emphasis has been laid on promoting activity based and experiential approach to learning The series also seeks to develop the core twenty first century skills in learners which lie at the heart of NEP 2020 Besides great care has been taken to make learning a joyful experience for the learners

All this will together lay a strong foundation at the primary level and lead to the holistic development of the learners at each level Some of the key features of the series are Key concepts supported with visual activities games and real life examples Carefully graded and comprehensive exercises to facilitate true evaluation Online support in the form of animated lessons interactive exercises topic wise videos and E books For Teachers only as per the requirement of the subject Teachers Resource Book to facilitate teaching ENGLISH The content for English is a perfect blend of the best of both worlds past and present The selections are based on the learners interests and therefore will not only easily arrest their attention but also facilitate longer retention The graded exercises lay appropriate emphasis on learning the four basic language skills of Listening Speaking Reading and Writing Grammar Section in each book offers simple and clear conceptual understanding MATHEMATICS The Mathematical concepts have been dealt with in an interesting and comprehensive manner This way even an average child will have no difficulty in grasping the fundamentals The series follows a graded and spiral approach keeping in mind the age and level of understanding of the learner ENVIRONMENTAL STUDIES NEP 2020 lays emphasis on promoting the spirit of analysis and questioning because it has been increasingly felt that children learn more through talking observing and discussing with others This approach has been adopted in EVS content SCIENCE The content in this section emphasises meaningful learning of science for the overall development of learners It focuses on helping children understand their natural environment and correlate science with their everyday experiences in an interesting and comprehensive manner SOCIAL STUDIES A totally new and innovative approach to teaching social studies has been adopted in this section The lessons enhance the learners life skills and equip them with a high civic sense and arm them with an ability to face the challenges in life with confidence and as responsible citizens GENERAL KNOWLEDGE The main objective of the General Knowledge section is to create a sense of wonder in the learners and arouse in them a desire to learn and find out more about the world around them We look forward for feedback and constructive criticism from the students teachers and parents which will be given due consideration in the future reprints and editions of the books The Publisher Ebook

**Journal of the Korean Mathematical Society**, 2008      **ICSE Foundation Mathematics for Class X (A.Y. 2023-24) Onward** R. S. Aggarwal, 2023-05-20 The revised edition of I C S E Foundation Mathematics for Class X is strictly in accordance with the latest syllabus prescribed by the Council for the Indian School Certificate Examinations New Delhi for Indian Certificate of Secondary Education ICSE examinations While revising this book the latest syllabus as well as the suggestions given by the students and learned teachers to the previous edition have been kept in mind To the point and straight forward approach as applied in this book allows pupils to find the subject quite interesting Some distinctive features of this book are Strictly in accordance with the latest syllabus Rational systematic and logical development of mathematical concepts All concepts and definitions have been discussed in detail and in a lucid manner The materials are class tested and the gradation has been done carefully The vocabulary and terminology used in the book is in accordance with the

comprehension and maturity level of the students Subject matter is supplemented by suitable solved examples For each type of question set in exercises there are a number of solved examples Multiple Choice Questions have been added for better understanding of the lesson Case Study Based Questions have been added to give a chance to the learners apply the mathematical knowledge gained to solve real life problems Past years ICSE questions up to 2022 have been incorporated topicwise and yearwise A well graded collection of questions with hints wherever required have been provided It is sincerely hoped that the present edition of the book would help the students to prepare adequately for the examinations It is also hoped that as the earlier books this book too will meet the needs and requirements of the teachers and students alike Suggestions for the improvement and notice of errors if any will be highly appreciated Author     *Reviews in Numerical Analysis, 1980-86* ,1987 These five volumes bring together a wealth of bibliographic information in the area of numerical analysis Containing over 17 600 reviews of articles books and conference proceedings these volumes represent all the numerical analysis entries that appeared in Mathematical Reviews between 1980 and 1986 Author and key indexes appear at the end of volume 5     **Journal of the Society for Industrial and Applied Mathematics. Series B: Numerical Analysis** Society for Industrial and Applied Mathematics,2003-10     **Referativnyi zhurnal** ,1986     **U.S. Government Research & Development Reports** ,1969     **Computer Mathematics, Series II** Geoffrey Knight,1969 General numerical and symbolic analysis Elementary algebra Calculus Difference differential and integral equations Abstracts mathematics Probability and statistics Optimization mathematical programming operations research Mathematical communication theory information theory Mathematical systems and control theory Mathematical logic and switching theory automata

**Proceedings of the Indian Science Congress** Indian Science Congress Association,1961

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