

Advanced problems in mathematics by vikas gupta and pankaj joshi solution

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What new mathematical technique developed during the Gupta empire in India? One of the important developments of this time was the decimal system notation. The place-value system achieved its final stage during the Golden Age of India. During the Gupta period, there was not a symbol for denoting 'zero'.

What did Indian achievements in math during the Gupta empire include? Three mathematical achievements made during the Gupta dynasty were the invention of Arabic numerals, the use of decimals, and the calculation of the value of pi.

What was the greatest Gupta mathematical discovery? The Indian mathematician Brahmagupta (597-667 CE) appears to be the first to articulate the result that the product of two negative numbers is a positive number. He of course also gave the much easier result that the product of a positive number and a negative number is a negative number.

Who is India's no. 1 mathematician? Although Aryabhata is considered to be the first mathematician in India, along with it comes the names of many mathematicians including the name of the great mathematician Srinivasa Ramanujan Ji and some great mathematicians like Shakuntala Devi, CR Rao, and CS Seshadri's name also comes.

What mathematical advancement is credited to the Gupta Empire? The mathematical advancement that is credited to the Gupta Empire is the development of a decimal system. The Gupta Empire, which existed between the 4th and 6th centuries AD in India, made numerous contributions to mathematics.

What innovation can be attributed to Gupta mathematicians? Answer: The significant contributions of the Indian mathematicians of the Gupta period were that they were the first to use algebra, develop the concept of zero, explain the infinity concept, and discover the decimal system of notation.

What were the three advances in learning made by the Guptas? Guptas made great advances in mathematics, including creating Hindu-Arabic numerals and the decimal system. They made contributions to astronomy, as well as medical advances, such as vaccinations. Contributions to the arts include plays and dances still performed today, and vibrant sculptures and paintings.

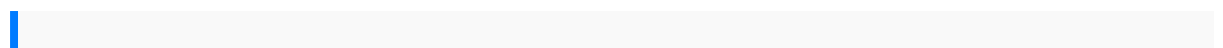
Which mathematics was at its top during Gupta period in India? During Gupta Age, Aryabhatta was a great mathematician. The Gupta period is unparalleled for its achievements in the field of mathematics and astronomy. Aryabhatta wrote Aryabhatiya and Suryasiddhanta.

What mathematical concept was developed in ancient India? As well as giving us the concept of zero, Indian mathematicians made seminal contributions to the study of trigonometry, algebra, arithmetic and negative numbers among other areas.

Which of the following were developed by Gupta mathematicians? Gupta mathematicians made advances such as adopting the decimal system and using algorithms.

Which of the following was an important Gupta contribution in mathematics?

1- Decimal system – In mathematics, the decimal system notation was a key development. The place-value system reached its pinnacle at this time. During the Gupta dynasty, there was no symbol for “zero.” Aryabhatta, on the other hand, used powers of ten with null coefficients to signify “zero” in the place-value system.



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