

# 9th class maths ncert solutions

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**What is rational number class 9 pdf?** A number 'r' is called a rational number, if it can be written in the form.  $\frac{p}{q}$ , where p and q are integers and  $q \neq 0$ . (

**How many exercises are in triangle class 9?** The NCERT solutions for class 9 maths chapter 7 Triangle has a total of five exercises that explains the topics mentioned above. It will help enhance the students' knowledge about triangles and their properties. These exercises are easily accessible through the given links.

**What is the sum of triangles for Class 9?** Angle Sum Property is the sum of angles in any triangle is always  $180^\circ$ . Congruence Criteria includes SAS, ASA, SSS, and RHS, which are essential for determining the congruence of triangles.

**What are the rational numbers for Grade 9?** Rational numbers : Rational numbers include all Integers (without any decimal part to it), terminating fractions (fractions in which the decimal parts terminating e.g. 0.75, - 0.02 etc.) and also non-terminating but recurring decimals e.g. 0.666..., -2.333..., etc.

**Which is the easiest chapter in maths class 9 NCERT?** "Introduction to Euclid's Geometry" and "Coordinate Geometry" are also seen as easier, introducing fundamental geometric concepts and Cartesian coordinates respectively. Understanding these chapters well can help students build a strong foundation in mathematics.

**How to draw  $\sqrt{5}$  on a number line?** Step 1: Let line AB be of 2 unit on a number line. Step 2: At B, draw a perpendicular line BC of length 1 unit.  $\therefore CA = \sqrt{5}$ . Thus, CA is a line of length  $\sqrt{5}$  unit.

**What is the meaning of AAS in math?** AAS (Angle-Angle-Side) [Application of ASA] AAS stands for Angle-Angle-Side. When two angles and a non-included side of a triangle are equal to the corresponding angles and sides of another triangle, then the triangles are said to be congruent. AAS congruence can be proved in easy steps.

**What is Cpct in maths?** CPCT refers to Corresponding parts of Congruent Triangle, i.e. if 2 triangles are congruent, they are exactly the mirror images of each other and the corresponding parts of both the triangles including length of sides as well as angles can be inferred to be equal.

**What is 9 side triangle?** A regular nonagon can be divided into 9 isosceles triangles with equal area, that means 9 congruent isosceles triangles. The perimeter of a regular nonagon with side “a” is equal to 9a. Here, r is the radius of the inscribed circle of the regular nonagon and  $r = \frac{a}{2} \cot(\pi/9)$ .

**How many congruence rules are there in class 9?** Hence, there are four rules of congruency.

**Are parallel lines equal?** No, parallel lines may not be equal in length but they should be the same distance apart.

**What are the 20 types of triangles class 9?**

**Is  $\sqrt{2}$  a rational number?** Here, the given number,  $\sqrt{2}$  cannot be expressed in the form of  $p/q$ . Alternatively, 2 is a prime number or rational number. Here, the given number  $\sqrt{2}$  is equal to 1.4121 which gives the result of non terminating and non recurring decimal, and cannot be expressed as fraction .., so  $\sqrt{2}$  is Irrational Number.

**Is 0 a real number?** Yes, 0 is a real number in math. By definition, the real numbers consist of all of the numbers that make up the real number line. The number 0 is at the center of the number line, so we know that 0 is a real number. Furthermore, 0 is a whole number, an integer, and a rational number.

**What is an irrational number Class 9?** What are Irrational Numbers? An irrational number is a real number that cannot be expressed as a ratio of integers; for example,  $\sqrt{2}$  is an irrational number. We cannot express any irrational number in the form of a ratio, such as  $p/q$ , where p and q are integers,  $q \neq 0$ .

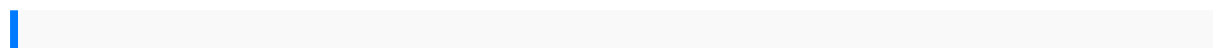
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**What is rational number explanation?** A rational number is any number that can be written as a fraction, where both the numerator (the top number) and the denominator (the bottom number) are integers, and the denominator is not equal to zero. In other words, a rational number can be expressed as  $p/q$ , where  $p$  and  $q$  are both integers and  $q \neq 0$ .

**What is 9 a rational number?** Yes, 9 is a rational number. Because rational numbers can also be expressed as fractions, we can represent 9 as a fraction ( $9/1$ ,  $18/2$  and so on). Therefore, it is a rational number.

**What is the definition of rational and irrational numbers Class 9?** Rational Numbers: The real numbers which can be represented in the form of the ratio of two integers, say  $P/Q$ , where  $Q$  is not equal to zero are called rational numbers. Irrational Numbers: The real numbers which cannot be expressed in the form of the ratio of two integers are called irrational numbers.

**What is rational expression class 9?** Rational expressions show the ratio of two polynomials. It means both the numerator and denominator are polynomials in it. Just like a fraction, it is also a ratio of algebraic expression, which consists of an unknown variable.



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