What are Positive and Negative Rational Numbers?

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In the previous segment, we saw that Fractions and Integers are Rational numbers. In this segment let us see what are Positive and Negative Rational Numbers.

What are Positive and Negative Rational Numbers?

Let us consider a rational number, say $\frac{2}{7}$ and see different combinations of the signs of the numerator and the denominator and then see the sign of the final result.

Fraction	p	q	Result
$\frac{2}{7}$	Positive	Positive	Positive rational number
$\frac{-2}{-7}$	Negative	Negative	Positive rational number (the minus sign cancels out each other)
$\frac{-2}{7}$	Negative	Positive	Negative rational number
$\frac{2}{-7}$	Positive	Negative	Negative rational number

Summary

Negative Rational Number	If either the numerator or the denominator is negative, the rational number is negative.
Positive Rational Number	If both the numerator and the denominator are positive or both are negative, then the rational number is positive.

What's next?

In the next segment of Class 10 Maths, we will see the **Standard Form of Rational Numbers**.