Rational Numbers

Answers:

Analyze the questions below and justify your answer.

1. Is 2.5 a rational number? Justify your answer.

   Answer: Yes, because it can be expressed in the form of $\frac{a}{b}$, $\frac{5}{2}$ or $2\frac{1}{2}$.

2. Is π a rational number? Justify your answer.

   Answer: No, because the value of π is a non-terminating and non-repeating decimal.

3. When $\frac{3}{11}$ is expressed as a decimal, it results to a terminating decimal. Is this statement TRUE or FALSE? Justify your answer.

   Answer: $\frac{3}{11} = 0.27\ldots$, FALSE. The quotient is a non-terminating and repeating number decimal number.