

Rational Numbers and Irrational Numbers

A) 1) The sum of two rational numbers is always _____.

2) The quotient of $\sqrt{7}$ and 5 is _____.

a) rational

b) irrational

a) rational

b) irrational

3) When a rational number is subtracted from an irrational number, the result is _____.

When an irrational number is multiplied by a rational number, the result is _____.

a) rational

irrational

5) The product of two rational numbers is always _____.

$m - n$ is

a) rational

b) irrational

B) Identify whether the number is rational or irrational.

1) $3 + 5\pi$ _____

2) $\sqrt{2} \div \sqrt{16}$ _____

4) $\frac{1}{5}$ _____

5) $(-7) + \frac{1}{4}$ _____

6) $8\pi - 3$ _____

7) $0.9 \div \frac{1}{4}$ _____

8) $\sqrt{3} \cdot \frac{3}{4}$ _____

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