GRADE 7 MATH · CLASSWORK

Recognize Rational Numbers in Decimal Form

SCORE / 25

01 Part A · Practice

A decimal that terminates or repeats is a rational number: it can be written as a quotient of two integers.

EXAMPLE

Is -2.35 rational? Write it as a fraction.

1. -2.35 is a terminating decimal.
2. $-2.35 = -2\frac{35}{100} = -2\frac{7}{20}$.
3. So $-2.35 = -\frac{47}{20}$ is rational.

1 ●○○ Is $2\frac{3}{5}$ a rational number? If yes, write it as a fraction $\frac{a}{b}$.

2 ●○○ Write -39.61 as a fraction or mixed number in simplest form.

3 ●○○ Is 0.1666666 … terminating, repeating, or neither? Is it rational?

4 ●○○ Write 13.35 as a fraction or mixed number in simplest form.

5 ●○○ Is -0.125 terminating, repeating, or neither? Is it rational?

6 ●○○ Is $-5\frac{1}{5}$ a rational number? If yes, write it as a fraction $\frac{a}{b}$.

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Preview - the full worksheet and its answer key are at primeworksheet.com