GRADE 7 MATH · CLASSWORK · SPECIAL ED

Write Rational Numbers in Decimal Form: Repeating Decimals

SCORE / 25

01 Part A · Practice

When the remainders start to repeat, the digits of the quotient repeat; write a bar over the repeating block.

EXAMPLE

Write $\frac{5}{6}$ as a decimal.

1. Divide $5 \div 6 = 0.8333\ldots$
2. The remainder 2 keeps coming back, so 3 repeats.
3. $\frac{5}{6} = 0.8\overline{3}$.

WORDS TO KNOW

repeating decimal	a decimal whose digits repeat forever, like 0.333 …
bar notation	a bar over the digits that repeat: $0.\overline{3}$

1 ●○○

Write the repeating decimal $0.66666666\ldots$ using bar notation.

HINT Find the digit or group of digits that keeps repeating.

2 ●○○

Write $1\frac{8}{9}$ as a decimal.

HINT Keep the whole number. Divide to change the fraction part.

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