GRADE 7 MATH · CLASSWORK · ADVANCED

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. $\frac{5}{6} = 0.8\overline{3}$.

1 ●○○ Write $-\frac{10}{11}$ as a decimal. Use a bar over the repeating digits.

2 ●○○ Write $5\frac{3}{11}$ as a decimal.

3 ●○○ Write the repeating decimal $5.90909090\ldots$ using bar notation.

4 ●○○ Write $20\frac{8}{11}$ as a decimal.

5 ●○○ Write the repeating decimal $3.83333333\ldots$ using bar notation.

6 ●○○ Write $\frac{2}{11}$ as a decimal. Use a bar over the repeating digits.

© 2026 Math Teacher Prints · 1-2b Classwork · Advanced

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