GRADE 6 MATH · CLASSWORK

Divide a Whole Number by a Mixed Number

SCORE / 25

01 Part A · Practice

Write the whole number over 1 and the mixed number as an improper fraction, then multiply by the reciprocal.

EXAMPLE

Find $10 \div 2\frac{1}{2}$.

1. $10 = \frac{10}{1}$ and $2\frac{1}{2} = \frac{5}{2}$.
2. $\frac{10}{1} \times \frac{2}{5} = \frac{20}{5} = 4$.
3. Check: $4 \times 2\frac{1}{2} = 10$ ✓.

1 ●○○ Solve. $1\frac{1}{5} \times n = 6$

2 ●○○ Rewrite $12 \div 3\frac{3}{4}$ using improper fractions and a reciprocal. Then find the quotient.

3 ●○○ Divide. Write the answer in simplest form.

$13 \div 2\frac{4}{5}$

4 ●○○ Divide. Write the answer in simplest form.

$30 \div 4\frac{3}{8}$

5 ●○○ Solve. $4\frac{4}{5} \times n = 29$

6 ●○○ Rewrite $12 \div 6\frac{1}{2}$ using improper fractions and a reciprocal. Then find the quotient.

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