GRADE 7 MATH · CLASSWORK · SPECIAL ED

Find and Apply a Unit Rate Involving Fractions

SCORE / 25

01 Part A · Practice

Divide the fractions to get the unit rate, then multiply the unit rate by any amount.

EXAMPLE

$\frac{3}{4}$ cup of oats makes $\frac{1}{2}$ batch. How many cups for 3 batches?

1. Unit rate: $\frac{3}{4} \div \frac{1}{2} = \frac{3}{4} \times 2 = 1\frac{1}{2}$ cups per batch.
2. $3 \times 1\frac{1}{2} = 4\frac{1}{2}$.
3. Answer: $4\frac{1}{2}$ cups.

WORDS TO KNOW

unit rate	the amount for 1 unit
reciprocal	a flipped fraction: 2/3 becomes 3/2
mixed number	a whole number and a fraction, like 1 1/2

1 ●○○

Simplify. $\frac{\frac{1}{4}}{\frac{3}{4}}$

HINT Write mixed numbers as improper fractions. Then multiply by the reciprocal of the bottom fraction.

2 ●○○

The unit rate is $1\frac{1}{4}$ gallons per room.

How many gallons for 7 rooms?

HINT Multiply the unit rate by the number of units.

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