GRADE 7 MATH · CLASSWORK · SPECIAL ED

# Solve Problems Using Unit Rates

SCORE / 25

## 01 Part A · Practice

Find the unit rate with fractions, then multiply to find a total or divide to find how long.

**EXAMPLE**

**A pump moves $2\frac{1}{2}$ gallons in $\frac{1}{4}$ minute. How long to move 50 gallons?**

1. Unit rate: $2\frac{1}{2} \div \frac{1}{4} = \frac{5}{2} \times 4 = 10$ gallons per minute.
2. $50 \div 10 = 5$.
3. Answer: 5 minutes.

**WORDS TO KNOW**

**unit rate** the amount for 1 unit

**total** unit rate × number of units

**1** ●○○

A boat travels 6 kilometers per hour.

How many kilometers in $2\frac{1}{3}$ hours?

**HINT** Multiply the unit rate by the number of hours.

**2** ●○○

A plant grows 3 inches per week.

How many weeks for $10\frac{1}{2}$ inches?

**HINT** Divide the total inches by the unit rate.

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