GRADE 7 MATH · CLASSWORK

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.

1 ●○○ A machine spins $1\frac{3}{4}$ yards per minute. How many minutes for $4\frac{2}{3}$ yards?

2 ●○○ A pump moves $2\frac{4}{5}$ gallons per minute. How many gallons in $\frac{1}{2}$ minute?

3 ●○○ A plant grows $1\frac{1}{4}$ inches in $\frac{1}{4}$ week. How many inches in 3 weeks?

4 ●○○ A boat travels $1\frac{1}{4}$ kilometers per hour. How many kilometers in $1\frac{1}{2}$ hours?

5 ●○○ A pump moves $1\frac{1}{3}$ gallons in $\frac{1}{4}$ minute. How many gallons in 3 minutes?

6 ●○○ A cyclist rides $2\frac{1}{2}$ miles per hour. How many hours for $4\frac{1}{2}$ miles?

© 2026 Math Teacher Prints · 2-2c Classwork · Regular

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