GRADE 7 MATH · CLASSWORK

Solve Problems Using an Equation

SCORE / 25

01 Part A · Practice

Substitute the known value into $y = kx$: multiply by k to find y, or divide by k to find x.

EXAMPLE

A car uses $d = 28g$. How many gallons for 196 miles?

1. $196 = 28g$.
2. $g = 196 \div 28 = 7$.
3. Answer: 7 gallons.

1 ●○○ y is proportional to x, and $y = 12$ when $x = 2$. Find y when $x = 10$.

2 ●○○ Use $y = 7x$. Find x when $y = 56$.

3 ●○○ Use $y = 10.5x$. Find y when $x = 22$.

4 ●○○ Use $y = 1.5x$. Find x when $y = 36$.

5 ●○○ Use $y = 17x$. Find y when $x = 6$.

6 ●○○ y is proportional to x, and $y = 18$ when $x = 1$. Find y when $x = 5$.

7 ●○○ Use $y = 9x$. Find y when $x = 15$.

8 ●○○ y is proportional to x, and $y = 152$ when $x = 8$. Find y when $x = 10$.

PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW PREVIEW

© 2026 Math Teacher Prints · 2-4b Classwork · Regular

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