GRADE 7 MATH · CLASSWORK · ADVANCED

Use Proportions to Solve Problems

SCORE / 25

01 Part A · Practice

Write a proportion with the quantities in the same order on both sides, then solve with cross products or a scale factor.

EXAMPLE

3 **notebooks cost** $7.50**. What do** 8 **cost?**

1. $\frac{3}{7.50} = \frac{8}{x}$.
2. $3x = 8 \times 7.50 = 60$.
3. $x = 20$: $20.

1 ●○○ Solve the proportion. $\frac{117}{81} = \frac{65}{x}$

2 ●○○ 84 is to 132 as n is to 143. Write a proportion and find n.

3 ●○○ Solve. $\frac{20}{13} = \frac{120}{x}$

4 ●○○ 28 is to 44 as n is to 165. Write a proportion and find n.

5 ●○○ Solve. $\frac{8}{5} = \frac{72}{x}$

6 ●○○ Solve the proportion. $\frac{11}{2} = \frac{x}{26}$

7 ●○○ Solve. $\frac{5}{8} = \frac{20}{x}$

8 ●○○ Solve the proportion. $\frac{32}{x} = \frac{72}{45}$

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