



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34067

Name: _____

Standard: **CCSS.Math.Content.6.RP.A.2**

Description: Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship. For example, "This recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is $3/4$ cup of flour for each cup of sugar." "We paid \$75 for 15 hamburgers, which is a rate of \$5 per hamburger."

Solve The Proportion for X (Hard):

1.

$$\frac{6}{8} = \frac{x + 12}{16}$$

6.

$$\frac{20}{14} = \frac{7}{x + 5}$$

2.

$$\frac{12}{x - 7} = \frac{6}{1}$$

7.

$$\frac{x - 7}{5} = \frac{4}{3}$$

3.

$$\frac{16}{x - 10} = \frac{6}{5}$$

8.

$$\frac{x + 17}{1} = \frac{20}{8}$$

4.

$$\frac{11}{15} = \frac{x + 7}{3}$$

9.

$$\frac{5}{x + 14} = \frac{17}{8}$$

5.

$$\frac{7}{x + 15} = \frac{20}{1}$$

10.

$$\frac{x - 8}{10} = \frac{19}{2}$$

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