



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34004

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.

$$\frac{x - 17}{12} = \frac{16}{6}$$

6.

$$\frac{11}{5} = \frac{10}{x + 12}$$

2.

$$\frac{x + 19}{12} = \frac{18}{7}$$

7.

$$\frac{17}{x + 18} = \frac{7}{14}$$

3.

$$\frac{20}{7} = \frac{15}{x + 9}$$

8.

$$\frac{20}{x + 11} = \frac{15}{14}$$

4.

$$\frac{1}{x - 20} = \frac{12}{18}$$

9.

$$\frac{x - 9}{17} = \frac{14}{10}$$

5.

$$\frac{18}{17} = \frac{4}{x + 10}$$

10.

$$\frac{x + 19}{17} = \frac{15}{10}$$

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