



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34056

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.

$$\frac{x + 10}{12} = \frac{5}{14}$$

6.

$$\frac{13}{12} = \frac{x + 14}{11}$$

2.

$$\frac{8}{19} = \frac{11}{x + 14}$$

7.

$$\frac{3}{13} = \frac{10}{x - 2}$$

3.

$$\frac{x - 7}{14} = \frac{4}{12}$$

8.

$$\frac{12}{x + 7} = \frac{19}{2}$$

4.

$$\frac{10}{15} = \frac{8}{x - 9}$$

9.

$$\frac{1}{14} = \frac{x + 11}{13}$$

5.

$$\frac{15}{x + 13} = \frac{10}{14}$$

10.

$$\frac{3}{7} = \frac{x - 17}{14}$$

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