



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34071

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.

$$\frac{x - 9}{13} = \frac{17}{3}$$

6.

$$\frac{19}{6} = \frac{16}{x + 10}$$

2.

$$\frac{13}{x + 9} = \frac{16}{18}$$

7.

$$\frac{3}{x - 2} = \frac{15}{14}$$

3.

$$\frac{18}{2} = \frac{x + 4}{17}$$

8.

$$\frac{x + 8}{15} = \frac{6}{3}$$

4.

$$\frac{1}{18} = \frac{x + 17}{19}$$

9.

$$\frac{15}{5} = \frac{11}{x + 15}$$

5.

$$\frac{10}{18} = \frac{15}{x - 13}$$

10.

$$\frac{11}{17} = \frac{x - 14}{19}$$

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