



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34062

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.

$$\frac{x - 5}{4} = \frac{19}{7}$$

6.

$$\frac{x - 18}{18} = \frac{17}{10}$$

2.

$$\frac{6}{12} = \frac{11}{x - 6}$$

7.

$$\frac{6}{4} = \frac{10}{x - 16}$$

3.

$$\frac{7}{16} = \frac{x + 18}{12}$$

8.

$$\frac{x + 1}{9} = \frac{6}{19}$$

4.

$$\frac{x - 8}{12} = \frac{10}{7}$$

9.

$$\frac{2}{12} = \frac{x + 12}{11}$$

5.

$$\frac{4}{5} = \frac{x + 15}{3}$$

10.

$$\frac{13}{2} = \frac{8}{x - 18}$$

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