



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34076

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.

$$\frac{17}{9} = \frac{3}{x + 20}$$

6.

$$\frac{2}{x - 16} = \frac{3}{5}$$

2.

$$\frac{14}{9} = \frac{13}{x - 1}$$

7.

$$\frac{5}{6} = \frac{x + 12}{9}$$

3.

$$\frac{x - 15}{12} = \frac{2}{7}$$

8.

$$\frac{x - 14}{20} = \frac{1}{12}$$

4.

$$\frac{x - 2}{11} = \frac{5}{15}$$

9.

$$\frac{x + 13}{7} = \frac{17}{3}$$

5.

$$\frac{3}{18} = \frac{10}{x + 2}$$

10.

$$\frac{x - 12}{3} = \frac{15}{11}$$

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