



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34031

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.

$$\frac{4}{x+12} = \frac{12}{11}$$

6.

$$\frac{15}{20} = \frac{8}{x+20}$$

2.

$$\frac{5}{4} = \frac{1}{x-10}$$

7.

$$\frac{x-7}{6} = \frac{7}{14}$$

3.

$$\frac{x+11}{15} = \frac{20}{7}$$

8.

$$\frac{14}{x+1} = \frac{10}{8}$$

4.

$$\frac{x-20}{6} = \frac{14}{1}$$

9.

$$\frac{10}{17} = \frac{12}{x+20}$$

5.

$$\frac{12}{14} = \frac{11}{x+15}$$

10.

$$\frac{8}{18} = \frac{9}{x-14}$$

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