



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34020

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.

$$\frac{1}{x+5} = \frac{3}{15}$$

6.

$$\frac{x-13}{6} = \frac{1}{11}$$

2.

$$\frac{12}{16} = \frac{x+2}{6}$$

7.

$$\frac{9}{1} = \frac{x+18}{13}$$

3.

$$\frac{9}{x-6} = \frac{15}{3}$$

8.

$$\frac{6}{16} = \frac{x-9}{18}$$

4.

$$\frac{x-8}{6} = \frac{3}{1}$$

9.

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

5.

$$\frac{15}{6} = \frac{x-11}{10}$$

10.

$$\frac{6}{10} = \frac{x-8}{15}$$

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