



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34046

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.

$$\frac{x - 17}{6} = \frac{5}{11}$$

6.

$$\frac{x - 15}{1} = \frac{20}{6}$$

2.

$$\frac{1}{x + 13} = \frac{3}{6}$$

7.

$$\frac{20}{19} = \frac{x - 15}{13}$$

3.

$$\frac{18}{x + 1} = \frac{14}{3}$$

8.

$$\frac{5}{19} = \frac{8}{x - 5}$$

4.

$$\frac{16}{11} = \frac{2}{x + 2}$$

9.

$$\frac{x + 12}{6} = \frac{11}{7}$$

5.

$$\frac{14}{1} = \frac{x + 2}{18}$$

10.

$$\frac{x - 12}{6} = \frac{20}{15}$$

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