



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34002

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.

$$\frac{17}{5} = \frac{x-16}{6}$$

6.

$$\frac{x-12}{12} = \frac{13}{2}$$

2.

$$\frac{6}{7} = \frac{x+18}{18}$$

7.

$$\frac{11}{14} = \frac{4}{x-7}$$

3.

$$\frac{x-8}{10} = \frac{13}{5}$$

8.

$$\frac{18}{1} = \frac{x+15}{4}$$

4.

$$\frac{9}{8} = \frac{x-6}{20}$$

9.

$$\frac{13}{20} = \frac{x-8}{6}$$

5.

$$\frac{19}{x+6} = \frac{11}{5}$$

10.

$$\frac{19}{10} = \frac{8}{x+3}$$

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