



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34018

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.

$$\frac{x + 16}{3} = \frac{16}{10}$$

6.

$$\frac{6}{15} = \frac{x + 11}{12}$$

2.

$$\frac{5}{10} = \frac{x + 19}{3}$$

7.

$$\frac{x - 4}{9} = \frac{16}{18}$$

3.

$$\frac{18}{x - 2} = \frac{16}{17}$$

8.

$$\frac{5}{x + 17} = \frac{1}{16}$$

4.

$$\frac{8}{x - 8} = \frac{7}{13}$$

9.

$$\frac{x - 16}{17} = \frac{14}{3}$$

5.

$$\frac{x + 10}{5} = \frac{14}{15}$$

10.

$$\frac{19}{20} = \frac{x - 8}{9}$$

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