



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34075

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.

$$\frac{x - 20}{10} = \frac{16}{17}$$

6.

$$\frac{x + 2}{3} = \frac{4}{15}$$

2.

$$\frac{11}{9} = \frac{x - 19}{15}$$

7.

$$\frac{17}{1} = \frac{x - 11}{6}$$

3.

$$\frac{5}{x + 10} = \frac{11}{3}$$

8.

$$\frac{4}{9} = \frac{18}{x + 3}$$

4.

$$\frac{10}{7} = \frac{x - 5}{17}$$

9.

$$\frac{13}{1} = \frac{7}{x + 2}$$

5.

$$\frac{x - 2}{9} = \frac{5}{7}$$

10.

$$\frac{15}{9} = \frac{11}{x - 14}$$

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