



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34085

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.

$$\frac{x - 8}{15} = \frac{6}{19}$$

6.

$$\frac{x + 11}{14} = \frac{17}{16}$$

2.

$$\frac{11}{6} = \frac{x + 4}{3}$$

7.

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

3.

$$\frac{7}{17} = \frac{x + 10}{3}$$

8.

$$\frac{1}{10} = \frac{x - 6}{19}$$

4.

$$\frac{3}{x + 14} = \frac{2}{7}$$

9.

$$\frac{14}{x + 11} = \frac{7}{15}$$

5.

$$\frac{x - 5}{7} = \frac{11}{18}$$

10.

$$\frac{4}{17} = \frac{x - 13}{16}$$

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