



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34090

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.

$$\frac{x - 7}{6} = \frac{16}{7}$$

6.

$$\frac{x + 14}{2} = \frac{19}{6}$$

2.

$$\frac{2}{6} = \frac{x - 8}{12}$$

7.

$$\frac{x + 16}{20} = \frac{6}{12}$$

3.

$$\frac{17}{x + 9} = \frac{2}{20}$$

8.

$$\frac{10}{x - 5} = \frac{1}{4}$$

4.

$$\frac{x + 3}{2} = \frac{16}{3}$$

9.

$$\frac{19}{7} = \frac{18}{x - 3}$$

5.

$$\frac{x - 10}{4} = \frac{12}{8}$$

10.

$$\frac{4}{11} = \frac{x - 3}{7}$$

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