



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34016

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.

$$\frac{7}{5} = \frac{12}{x-6}$$

6.

$$\frac{x-11}{14} = \frac{4}{10}$$

2.

$$\frac{x-4}{7} = \frac{16}{13}$$

7.

$$\frac{x+16}{11} = \frac{18}{7}$$

3.

$$\frac{6}{12} = \frac{19}{x+20}$$

8.

$$\frac{x+16}{3} = \frac{12}{17}$$

4.

$$\frac{3}{2} = \frac{x-1}{1}$$

9.

$$\frac{x-15}{5} = \frac{20}{10}$$

5.

$$\frac{4}{16} = \frac{x+5}{17}$$

10.

$$\frac{17}{20} = \frac{6}{x-5}$$

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