



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34011

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.

$$\frac{12}{x-19} = \frac{2}{6}$$

6.

$$\frac{x+13}{7} = \frac{5}{1}$$

2.

$$\frac{18}{20} = \frac{x-5}{5}$$

7.

$$\frac{17}{15} = \frac{x-5}{19}$$

3.

$$\frac{20}{x+5} = \frac{4}{6}$$

8.

$$\frac{6}{9} = \frac{5}{x+7}$$

4.

$$\frac{6}{x-17} = \frac{17}{12}$$

9.

$$\frac{3}{20} = \frac{13}{x-8}$$

5.

$$\frac{x+16}{19} = \frac{3}{4}$$

10.

$$\frac{19}{18} = \frac{12}{x+19}$$

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