



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34057

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.

$$\frac{15}{x-18} = \frac{20}{6}$$

6.

$$\frac{20}{13} = \frac{x-8}{17}$$

2.

$$\frac{17}{3} = \frac{x+17}{19}$$

7.

$$\frac{x+9}{6} = \frac{17}{18}$$

3.

$$\frac{17}{x-12} = \frac{7}{12}$$

8.

$$\frac{9}{4} = \frac{x+18}{10}$$

4.

$$\frac{4}{x+10} = \frac{14}{9}$$

9.

$$\frac{8}{20} = \frac{x-19}{7}$$

5.

$$\frac{14}{12} = \frac{3}{x-8}$$

10.

$$\frac{x+16}{1} = \frac{3}{18}$$

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