



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34017

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.

$$\frac{8}{4} = \frac{16}{x - 13}$$

6.

$$\frac{2}{5} = \frac{17}{x + 8}$$

2.

$$\frac{x - 14}{15} = \frac{13}{7}$$

7.

$$\frac{x + 6}{8} = \frac{10}{11}$$

3.

$$\frac{13}{20} = \frac{3}{x + 16}$$

8.

$$\frac{13}{8} = \frac{3}{x - 12}$$

4.

$$\frac{10}{x - 20} = \frac{1}{17}$$

9.

$$\frac{13}{x + 16} = \frac{15}{20}$$

5.

$$\frac{x - 13}{6} = \frac{4}{18}$$

10.

$$\frac{x - 9}{20} = \frac{16}{19}$$

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