



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34081

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.

$$\frac{12}{7} = \frac{15}{x - 10}$$

6.

$$\frac{19}{1} = \frac{x + 12}{4}$$

2.

$$\frac{x - 8}{15} = \frac{11}{4}$$

7.

$$\frac{15}{11} = \frac{x - 12}{19}$$

3.

$$\frac{6}{x + 3} = \frac{2}{7}$$

8.

$$\frac{x + 9}{16} = \frac{8}{15}$$

4.

$$\frac{9}{18} = \frac{x + 12}{15}$$

9.

$$\frac{14}{3} = \frac{x - 13}{11}$$

5.

$$\frac{17}{x + 14} = \frac{5}{2}$$

10.

$$\frac{x + 15}{20} = \frac{12}{3}$$

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