



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34043

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.

$$\frac{20}{12} = \frac{x + 14}{13}$$

6.

$$\frac{x + 3}{1} = \frac{11}{15}$$

2.

$$\frac{11}{9} = \frac{13}{x + 17}$$

7.

$$\frac{2}{7} = \frac{x + 9}{12}$$

3.

$$\frac{15}{x + 17} = \frac{12}{3}$$

8.

$$\frac{10}{4} = \frac{19}{x - 8}$$

4.

$$\frac{19}{x + 1} = \frac{3}{2}$$

9.

$$\frac{x - 9}{15} = \frac{6}{7}$$

5.

$$\frac{x + 7}{15} = \frac{12}{14}$$

10.

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

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