



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34012

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.

$$\frac{7}{20} = \frac{15}{x - 13}$$

6.

$$\frac{14}{20} = \frac{x - 13}{1}$$

2.

$$\frac{7}{x + 13} = \frac{12}{4}$$

7.

$$\frac{x - 2}{4} = \frac{18}{1}$$

3.

$$\frac{14}{3} = \frac{9}{x - 14}$$

8.

$$\frac{20}{x - 14} = \frac{18}{9}$$

4.

$$\frac{3}{2} = \frac{x - 3}{9}$$

9.

$$\frac{7}{20} = \frac{x + 13}{12}$$

5.

$$\frac{12}{7} = \frac{x - 19}{19}$$

10.

$$\frac{x + 6}{8} = \frac{20}{2}$$

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