



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34070

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.

$$\frac{11}{20} = \frac{3}{x - 20}$$

6.

$$\frac{5}{7} = \frac{x - 4}{18}$$

2.

$$\frac{x + 2}{14} = \frac{12}{19}$$

7.

$$\frac{5}{3} = \frac{x - 9}{16}$$

3.

$$\frac{x + 18}{2} = \frac{19}{1}$$

8.

$$\frac{16}{x + 11} = \frac{9}{18}$$

4.

$$\frac{8}{x + 18} = \frac{1}{18}$$

9.

$$\frac{x - 16}{6} = \frac{11}{14}$$

5.

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

10.

$$\frac{14}{13} = \frac{5}{x + 9}$$

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