



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34044

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.

$$\frac{12}{x-13} = \frac{11}{18}$$

6.

$$\frac{8}{14} = \frac{x+13}{10}$$

2.

$$\frac{x+1}{7} = \frac{8}{2}$$

7.

$$\frac{5}{16} = \frac{x+11}{1}$$

3.

$$\frac{19}{20} = \frac{x+16}{3}$$

8.

$$\frac{17}{x-18} = \frac{8}{6}$$

4.

$$\frac{x+7}{18} = \frac{11}{12}$$

9.

$$\frac{x-19}{12} = \frac{14}{6}$$

5.

$$\frac{5}{19} = \frac{x+12}{2}$$

10.

$$\frac{11}{x-1} = \frac{20}{1}$$

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