



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34042

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.

$$\frac{20}{1} = \frac{x+6}{13}$$

6.

$$\frac{20}{10} = \frac{7}{x+14}$$

2.

$$\frac{8}{x+19} = \frac{10}{11}$$

7.

$$\frac{x-1}{7} = \frac{8}{5}$$

3.

$$\frac{1}{x+11} = \frac{15}{17}$$

8.

$$\frac{3}{13} = \frac{x+6}{7}$$

4.

$$\frac{6}{11} = \frac{13}{x+7}$$

9.

$$\frac{1}{x+10} = \frac{13}{16}$$

5.

$$\frac{2}{x+18} = \frac{3}{6}$$

10.

$$\frac{7}{x-9} = \frac{2}{15}$$

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