



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34027

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.

$$\frac{15}{x-20} = \frac{17}{14}$$

6.

$$\frac{14}{4} = \frac{x-9}{15}$$

2.

$$\frac{18}{19} = \frac{13}{x+12}$$

7.

$$\frac{x-5}{2} = \frac{8}{15}$$

3.

$$\frac{16}{15} = \frac{x+6}{6}$$

8.

$$\frac{6}{17} = \frac{19}{x-8}$$

4.

$$\frac{7}{11} = \frac{x+1}{12}$$

9.

$$\frac{19}{2} = \frac{x-5}{8}$$

5.

$$\frac{14}{9} = \frac{x+2}{11}$$

10.

$$\frac{x-5}{15} = \frac{17}{6}$$

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