



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34024

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.

$$\frac{5}{x-20} = \frac{17}{6}$$

6.

$$\frac{11}{18} = \frac{x+3}{10}$$

2.

$$\frac{14}{20} = \frac{5}{x-13}$$

7.

$$\frac{18}{x-8} = \frac{16}{11}$$

3.

$$\frac{x-14}{10} = \frac{11}{7}$$

8.

$$\frac{11}{1} = \frac{x+9}{19}$$

4.

$$\frac{10}{14} = \frac{7}{x+15}$$

9.

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

5.

$$\frac{x+2}{3} = \frac{5}{20}$$

10.

$$\frac{2}{9} = \frac{x-7}{3}$$

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