



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34051

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.

$$\frac{5}{x-8} = \frac{20}{2}$$

6.

$$\frac{2}{x+6} = \frac{6}{16}$$

2.

$$\frac{4}{19} = \frac{7}{x-3}$$

7.

$$\frac{9}{15} = \frac{18}{x-2}$$

3.

$$\frac{20}{9} = \frac{x-20}{5}$$

8.

$$\frac{10}{9} = \frac{13}{x-14}$$

4.

$$\frac{8}{x+9} = \frac{18}{3}$$

9.

$$\frac{x+13}{4} = \frac{14}{15}$$

5.

$$\frac{6}{15} = \frac{x+1}{10}$$

10.

$$\frac{10}{7} = \frac{x-19}{20}$$

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