



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34013

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.

$$\frac{7}{x-15} = \frac{14}{20}$$

6.

$$\frac{12}{11} = \frac{19}{x+17}$$

2.

$$\frac{2}{x-19} = \frac{13}{18}$$

7.

$$\frac{14}{x-1} = \frac{20}{12}$$

3.

$$\frac{x+16}{20} = \frac{9}{2}$$

8.

$$\frac{x-20}{18} = \frac{20}{9}$$

4.

$$\frac{x+18}{8} = \frac{3}{4}$$

9.

$$\frac{x-11}{8} = \frac{17}{18}$$

5.

$$\frac{8}{x+13} = \frac{11}{7}$$

10.

$$\frac{3}{8} = \frac{20}{x+10}$$

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