



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34026

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.

$$\frac{x - 5}{7} = \frac{19}{6}$$

6.

$$\frac{16}{6} = \frac{x + 10}{15}$$

2.

$$\frac{1}{x - 6} = \frac{2}{5}$$

7.

$$\frac{x + 13}{12} = \frac{1}{2}$$

3.

$$\frac{3}{x - 7} = \frac{4}{16}$$

8.

$$\frac{11}{20} = \frac{x - 3}{16}$$

4.

$$\frac{18}{11} = \frac{x - 10}{5}$$

9.

$$\frac{x + 12}{18} = \frac{3}{10}$$

5.

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

10.

$$\frac{20}{x + 9} = \frac{1}{8}$$

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