



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34007

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.

$$\frac{4}{9} = \frac{18}{x + 20}$$

6.

$$\frac{x + 10}{9} = \frac{12}{8}$$

2.

$$\frac{13}{1} = \frac{x + 15}{11}$$

7.

$$\frac{6}{3} = \frac{x - 13}{18}$$

3.

$$\frac{18}{10} = \frac{x - 1}{20}$$

8.

$$\frac{5}{4} = \frac{10}{x - 12}$$

4.

$$\frac{x + 17}{17} = \frac{8}{16}$$

9.

$$\frac{17}{11} = \frac{x - 15}{15}$$

5.

$$\frac{7}{x + 8} = \frac{9}{18}$$

10.

$$\frac{2}{16} = \frac{3}{x - 9}$$

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