



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34086

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.

$$\frac{2}{7} = \frac{13}{x + 20}$$

6.

$$\frac{17}{11} = \frac{4}{x + 7}$$

2.

$$\frac{9}{19} = \frac{10}{x - 17}$$

7.

$$\frac{4}{x - 5} = \frac{2}{15}$$

3.

$$\frac{x + 7}{10} = \frac{11}{19}$$

8.

$$\frac{17}{13} = \frac{4}{x + 4}$$

4.

$$\frac{x - 18}{1} = \frac{16}{3}$$

9.

$$\frac{18}{8} = \frac{x + 8}{13}$$

5.

$$\frac{18}{20} = \frac{13}{x + 16}$$

10.

$$\frac{12}{17} = \frac{x - 12}{10}$$

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