



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34006

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.

$$\frac{20}{10} = \frac{x + 15}{18}$$

$$\frac{20}{10} = \frac{x + 15}{18}$$

6.

$$\frac{10}{x + 10} = \frac{16}{5}$$

2.

$$\frac{5}{16} = \frac{x - 15}{13}$$

$$\frac{5}{16} = \frac{x - 15}{13}$$

7.

$$\frac{3}{18} = \frac{x + 2}{20}$$

3.

$$\frac{x + 13}{6} = \frac{13}{5}$$

$$\frac{x + 13}{6} = \frac{13}{5}$$

8.

$$\frac{7}{11} = \frac{5}{x - 19}$$

4.

$$\frac{15}{18} = \frac{x - 4}{13}$$

$$\frac{15}{18} = \frac{x - 4}{13}$$

9.

$$\frac{15}{x - 5} = \frac{12}{5}$$

5.

$$\frac{x + 15}{11} = \frac{8}{20}$$

$$\frac{x + 15}{11} = \frac{8}{20}$$

10.

$$\frac{11}{2} = \frac{x + 14}{13}$$

$$\frac{11}{2} = \frac{x + 14}{13}$$

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