



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34091

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.

$$\frac{13}{x-1} = \frac{2}{20}$$

6.

$$\frac{20}{8} = \frac{13}{x+14}$$

2.

$$\frac{20}{x+20} = \frac{16}{3}$$

7.

$$\frac{18}{16} = \frac{x+3}{14}$$

3.

$$\frac{x-2}{13} = \frac{2}{9}$$

8.

$$\frac{8}{17} = \frac{12}{x+18}$$

4.

$$\frac{15}{8} = \frac{11}{x+13}$$

9.

$$\frac{9}{4} = \frac{x-8}{16}$$

5.

$$\frac{1}{x+4} = \frac{2}{9}$$

10.

$$\frac{16}{12} = \frac{x-16}{8}$$

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