



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34055

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.

$$\frac{10}{x+1} = \frac{7}{5}$$

6.

$$\frac{12}{x-20} = \frac{8}{19}$$

2.

$$\frac{3}{x+16} = \frac{15}{14}$$

7.

$$\frac{10}{x-2} = \frac{12}{13}$$

3.

$$\frac{x-14}{2} = \frac{8}{1}$$

8.

$$\frac{3}{x+10} = \frac{20}{16}$$

4.

$$\frac{17}{x-15} = \frac{10}{4}$$

9.

$$\frac{20}{6} = \frac{x+20}{11}$$

5.

$$\frac{8}{19} = \frac{16}{x+18}$$

10.

$$\frac{1}{14} = \frac{x-3}{13}$$

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