



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34039

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.

$$\frac{17}{x+17} = \frac{7}{5}$$

6.

$$\frac{15}{19} = \frac{x-3}{7}$$

2.

$$\frac{x+20}{4} = \frac{12}{11}$$

7.

$$\frac{3}{x+19} = \frac{10}{2}$$

3.

$$\frac{8}{x-6} = \frac{20}{17}$$

8.

$$\frac{x-15}{5} = \frac{4}{3}$$

4.

$$\frac{x-4}{16} = \frac{20}{19}$$

9.

$$\frac{7}{x-14} = \frac{8}{18}$$

5.

$$\frac{10}{x-2} = \frac{5}{15}$$

10.

$$\frac{7}{x+20} = \frac{8}{1}$$

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