



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34093

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.

$$\frac{11}{16} = \frac{10}{x-9}$$

6.

$$\frac{x+12}{4} = \frac{1}{5}$$

2.

$$\frac{x+3}{5} = \frac{10}{7}$$

7.

$$\frac{5}{12} = \frac{18}{x-20}$$

3.

$$\frac{5}{x-5} = \frac{10}{8}$$

8.

$$\frac{x+19}{17} = \frac{9}{18}$$

4.

$$\frac{7}{6} = \frac{x-20}{11}$$

9.

$$\frac{16}{x+19} = \frac{19}{20}$$

5.

$$\frac{18}{1} = \frac{x-15}{14}$$

10.

$$\frac{x-16}{3} = \frac{9}{18}$$

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