



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34061

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.

$$\frac{9}{6} = \frac{x - 10}{19}$$

6.

$$\frac{20}{14} = \frac{12}{x - 1}$$

2.

$$\frac{18}{x + 15} = \frac{12}{8}$$

7.

$$\frac{x + 16}{17} = \frac{20}{12}$$

3.

$$\frac{18}{x + 5} = \frac{16}{10}$$

8.

$$\frac{10}{x + 8} = \frac{16}{2}$$

4.

$$\frac{7}{x + 4} = \frac{10}{17}$$

9.

$$\frac{5}{9} = \frac{x + 14}{15}$$

5.

$$\frac{3}{x + 12} = \frac{7}{18}$$

10.

$$\frac{18}{x + 6} = \frac{6}{9}$$

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