



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34037

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.

$$\frac{8}{x+8} = \frac{17}{9}$$

6.

$$\frac{x+20}{2} = \frac{9}{3}$$

2.

$$\frac{12}{19} = \frac{5}{x-15}$$

7.

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

3.

$$\frac{6}{x+20} = \frac{3}{9}$$

8.

$$\frac{x+17}{5} = \frac{16}{19}$$

4.

$$\frac{18}{x-5} = \frac{11}{6}$$

9.

$$\frac{x+18}{4} = \frac{2}{11}$$

5.

$$\frac{12}{8} = \frac{x-5}{19}$$

10.

$$\frac{11}{7} = \frac{x+10}{3}$$

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