



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34047

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.

$$\frac{7}{x+19} = \frac{8}{19}$$

6.

$$\frac{13}{3} = \frac{14}{x-17}$$

2.

$$\frac{13}{9} = \frac{14}{x-8}$$

7.

$$\frac{3}{12} = \frac{x-9}{18}$$

3.

$$\frac{18}{x+10} = \frac{16}{4}$$

8.

$$\frac{x+15}{10} = \frac{15}{11}$$

4.

$$\frac{11}{12} = \frac{x-6}{3}$$

9.

$$\frac{4}{10} = \frac{17}{x+1}$$

5.

$$\frac{19}{x-11} = \frac{13}{10}$$

10.

$$\frac{9}{10} = \frac{6}{x+4}$$

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