



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34041

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.

$$\frac{4}{15} = \frac{17}{x-5}$$

6.

$$\frac{7}{13} = \frac{x-6}{5}$$

2.

$$\frac{1}{11} = \frac{x-12}{20}$$

7.

$$\frac{11}{x-3} = \frac{20}{9}$$

3.

$$\frac{7}{18} = \frac{1}{x-18}$$

8.

$$\frac{3}{6} = \frac{10}{x+18}$$

4.

$$\frac{8}{x+15} = \frac{16}{14}$$

9.

$$\frac{18}{x-3} = \frac{1}{19}$$

5.

$$\frac{x-18}{8} = \frac{7}{11}$$

10.

$$\frac{8}{18} = \frac{x+18}{10}$$

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