



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34021

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.

$$\frac{6}{x-17} = \frac{18}{14}$$

6.

$$\frac{6}{13} = \frac{16}{x-15}$$

2.

$$\frac{1}{15} = \frac{x+20}{2}$$

7.

$$\frac{x-8}{18} = \frac{6}{16}$$

3.

$$\frac{2}{20} = \frac{x+2}{6}$$

8.

$$\frac{11}{x-13} = \frac{2}{18}$$

4.

$$\frac{4}{1} = \frac{11}{x+15}$$

9.

$$\frac{11}{2} = \frac{x+17}{18}$$

5.

$$\frac{2}{x-12} = \frac{12}{11}$$

10.

$$\frac{4}{x+16} = \frac{9}{2}$$

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