



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34073

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.

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

6.

$$\frac{14}{3} = \frac{12}{x-15}$$

2.

$$\frac{x+11}{8} = \frac{6}{3}$$

7.

$$\frac{9}{x-20} = \frac{19}{8}$$

3.

$$\frac{1}{4} = \frac{x+14}{6}$$

8.

$$\frac{16}{10} = \frac{1}{x+6}$$

4.

$$\frac{17}{x+15} = \frac{15}{10}$$

9.

$$\frac{2}{10} = \frac{5}{x-7}$$

5.

$$\frac{x-14}{19} = \frac{2}{13}$$

10.

$$\frac{4}{20} = \frac{x+11}{19}$$

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