



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34028

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.

$$\frac{14}{1} = \frac{x + 14}{15}$$

6.

$$\frac{3}{17} = \frac{19}{x - 19}$$

2.

$$\frac{3}{x + 9} = \frac{7}{10}$$

7.

$$\frac{15}{4} = \frac{3}{x + 17}$$

3.

$$\frac{14}{16} = \frac{20}{x - 14}$$

8.

$$\frac{x + 13}{16} = \frac{12}{13}$$

4.

$$\frac{x + 15}{19} = \frac{2}{16}$$

9.

$$\frac{13}{19} = \frac{10}{x + 20}$$

5.

$$\frac{4}{x + 12} = \frac{1}{19}$$

10.

$$\frac{x - 16}{1} = \frac{3}{17}$$

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