



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34099

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.**

$$\frac{19}{x-2} = \frac{8}{5}$$

**6.**

$$\frac{11}{19} = \frac{x-18}{3}$$

**2.**

$$\frac{x-19}{3} = \frac{15}{14}$$

**7.**

$$\frac{5}{19} = \frac{x-2}{16}$$

**3.**

$$\frac{x-16}{19} = \frac{15}{10}$$

**8.**

$$\frac{11}{8} = \frac{5}{x+3}$$

**4.**

$$\frac{14}{18} = \frac{17}{x-20}$$

**9.**

$$\frac{9}{x+7} = \frac{5}{19}$$

**5.**

$$\frac{x+12}{18} = \frac{19}{14}$$

**10.**

$$\frac{x+13}{1} = \frac{6}{14}$$

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