



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34088

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.**

$$\frac{x + 10}{9} = \frac{2}{3}$$

**6.**

$$\frac{11}{14} = \frac{19}{x + 19}$$

**2.**

$$\frac{x + 8}{1} = \frac{20}{7}$$

**7.**

$$\frac{14}{3} = \frac{x - 15}{5}$$

**3.**

$$\frac{12}{7} = \frac{x - 18}{8}$$

**8.**

$$\frac{x - 11}{19} = \frac{7}{12}$$

**4.**

$$\frac{x - 2}{5} = \frac{6}{11}$$

**9.**

$$\frac{2}{x - 10} = \frac{10}{3}$$

**5.**

$$\frac{11}{17} = \frac{x + 19}{3}$$

**10.**

$$\frac{x + 10}{11} = \frac{1}{20}$$

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