



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34014

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.**

$$\frac{x + 12}{17} = \frac{12}{9}$$

**6.**

$$\frac{1}{11} = \frac{x - 8}{19}$$

**2.**

$$\frac{18}{x + 11} = \frac{14}{2}$$

**7.**

$$\frac{14}{6} = \frac{x + 4}{8}$$

**3.**

$$\frac{10}{13} = \frac{x + 15}{4}$$

**8.**

$$\frac{18}{1} = \frac{x - 14}{9}$$

**4.**

$$\frac{4}{11} = \frac{5}{x - 20}$$

**9.**

$$\frac{9}{2} = \frac{20}{x - 12}$$

**5.**

$$\frac{5}{9} = \frac{14}{x - 11}$$

**10.**

$$\frac{x + 8}{19} = \frac{2}{1}$$

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