



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34064

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.**

$$\frac{3}{x+14} = \frac{6}{12}$$

**6.**

$$\frac{7}{5} = \frac{6}{x+15}$$

**2.**

$$\frac{18}{16} = \frac{20}{x+12}$$

**7.**

$$\frac{9}{17} = \frac{20}{x+15}$$

**3.**

$$\frac{x+6}{9} = \frac{12}{3}$$

**8.**

$$\frac{20}{x-17} = \frac{11}{8}$$

**4.**

$$\frac{10}{19} = \frac{16}{x-8}$$

**9.**

$$\frac{x-11}{4} = \frac{9}{16}$$

**5.**

$$\frac{14}{x-12} = \frac{2}{6}$$

**10.**

$$\frac{8}{6} = \frac{15}{x+20}$$

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