



## Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34040

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.**

$$\frac{x + 13}{11} = \frac{1}{20}$$

**6.**

$$\frac{11}{13} = \frac{3}{x + 8}$$

**2.**

$$\frac{2}{x + 2} = \frac{19}{11}$$

**7.**

$$\frac{20}{15} = \frac{4}{x - 7}$$

**3.**

$$\frac{20}{6} = \frac{17}{x - 4}$$

**8.**

$$\frac{8}{18} = \frac{10}{x - 4}$$

**4.**

$$\frac{16}{7} = \frac{5}{x + 15}$$

**9.**

$$\frac{18}{13} = \frac{x + 12}{2}$$

**5.**

$$\frac{x - 16}{12} = \frac{16}{8}$$

**10.**

$$\frac{x + 9}{15} = \frac{18}{14}$$

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