



Common Core Mathematics Practice for Grade 6

CCSS.Math.Content.6.RP.A.2 - Worksheet #34065

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.

$$18 \quad x - 14$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$6 \quad 15$$

6.

$$8 \quad x - 12$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$4 \quad 17$$

2.

$$x + 8 \quad 4$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$9 \quad 5$$

7.

$$18 \quad 1$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$x - 7 \quad 4$$

3.

$$x + 7 \quad 18$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$20 \quad 12$$

8.

$$13 \quad 6$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$x + 8 \quad 17$$

4.

$$6 \quad 12$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$8 \quad x + 9$$

9.

$$17 \quad x - 10$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$11 \quad 14$$

5.

$$14 \quad 11$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$12 \quad x - 17$$

10.

$$10 \quad 11$$

$$\frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$12 \quad x + 11$$

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