Unit 8
Solving Equations in 1 Variable with Fractions

Math Essentials

1

Practice 8.1

Solve for y. Simplify your answer.

$$3(2y + 9) = 57$$

ALEKS Topic

2

Practice 8.2

Solve for x. Simplify your answer.

$$\frac{x + 77}{-9} = -9$$

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3

Practice 8.3

Solve for the variable.

1. $-\dfrac{5}{3} = \dfrac{u}{2} + \dfrac{1}{3}$

2. $-\dfrac{5}{7} + \dfrac{1}{4}w = -\dfrac{1}{2}$

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4

Practice 8.4

A sports tournament has c teams. Each team has 12 players. Using c, write an expression for the total number of players in the tournament.

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5

Practice 8.5

The yearbook club had a meeting. The meeting had 30 people, which is one-third of the club. How many people are in the club?

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6

Practice 8.6

There are 48 new houses being built in a neighborhood. Last month, 1/3 of them were sold. This month, 3/8 of the remaining houses were sold. How many houses are left to be sold?

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Extra Practice

Solve for the variable.

1. $\dfrac{x+36}{5} = 5$

2. $\dfrac{y}{3} - 1 = -\dfrac{5}{4}$

3. $-\dfrac{7}{4} + \dfrac{2}{3}x = -\dfrac{9}{2}$

8

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