Name _____   Date _____

Explaining How to Solve Equations - Guided Lesson Explanation

The first thing we need to do here is get all the variables on one side (in this case – the left side) and all the numbers on the other.

Explanation#1

$8x - 4 = 52$ 1. Add 4 to both sides.

$8x = 52 + 4$ 2. Compute the sum.

$8x = 56$ 3. Divide both sides by 8.

$x = \dfrac{56}{8}$

$x = 7$

Explanation#2

$9x - 3 = 15$ 1. Add 3 to both sides.

$9x = 15 + 3$ 2. Compute the sum.

$9x = 18$ 3. Divide both sides by 9.

$x = \dfrac{18}{9}; \ x = 2$

Explanation#3

$6x - 5 = 49$ 1. Add 5 to both sides.

$6x = 49 + 5$ 2. Find the sum.

$6x = 54$ 3. Divide both sides by 6.

$x = \dfrac{54}{6}$

$x = 9$