

Name:

Date:

Period:

Lesson 6.4
Using Inverse Operations to Solve Subtraction Problems

Solve each equation and inequality by using inverse operations.
Plot the answer(s) on a number line.

1a. $w - 7 = 8$

1b. $w - 7 > 8$

2a. $x - 1 = 19$

2b. $x - 1 < 19$

3a. $y - 14 = 3$

3b. $y - 14 \geq 3$

4a. $z - 189 = 211$

4b. $z - 189 \leq 211$

5a. $a - 123 = 645$

5b. $a - 123 = 645$

6a. $534 = w - 12$

6b. $534 < w - 12$

7a. $75 = c - 37$

7a. $75 \geq c - 37$

8a. $178 = d - 200$

8b. $178 \leq d - 200$

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Ms. Stone buys groceries for a total of \$45.32. She now has \$32.25 left.

Which equation could be used to find out how much money Ms. Stone had before she bought the groceries?

- (A) $\$45.32x = \32.25
- (B) $x - \$45.32 = \32.25
- (C) $x + \$45.32 = \32.25
- (D) $x + \$32.25 = \45.32

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In the morning, Emily studied 40 minutes for a math exam. Later that evening, Emily studied for x more minutes. Enter an **equation** that represents the total number of minutes, y , Emily studied for the math exam.

← → ↶ ↷ ✖

1	2	3	x	y		
4	5	6	+	-	*	÷
7	8	9	<	=	>	
0	.	-	$\frac{\square}{\square}$	\square^\square	()	