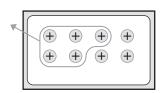
EXAMPLE Subtract Positive Integers

MAIN IDEA

Subtract integers.

🚺 Find 8 – 5.

METHOD 1 Use counters.



Place positive counters on the mat to show +8. Then, remove positive counters.

KEY CONCEPT

Subtracting Integers To subtract an integer, add its opposite.

METHOD 2 Add the opposite.

$$8 - 5 = 8 + \left(\begin{array}{c} \\ \\ \end{array} \right)$$

To subtract 5, add



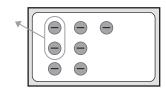
So,
$$8 - 5 =$$

Check Your Progress

Find 9-2.

EXAMPLE Subtract Negative Integers

METHOD 1 Use counters.



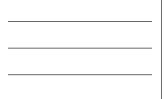
Place 7 counters on the mat to show -7. Then, remove 2

counters.

Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc.

WRITE IT

Think about the number line. How is subtracting negative integers similar to adding positive integers?

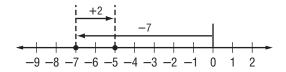


METHOD 2 Add the opposite.

$$-7 - (-2) = -7 +$$
 To subtract -2 , add

So,
$$-7 - (-2) =$$

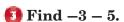
Check Use a number line to find -7 + 2.



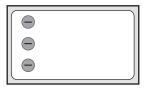
Check Your Progress Find -8 - (-5).

Find
$$-8 - (-5)$$
.

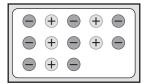
EXAMPLE Subtract Integers Using Zero Pairs



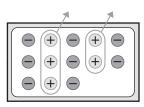
METHOD 1 Use counters.



Place 3 negative counters on the mat to show



Since there are no positive counters, add 5



Now remove positive counters.

ORGANIZE IT

Under the Lesson 11–3 tab of your Foldable, write what you learn about subtracting positive integers, subtracting negative integers, and subtracting integers using zero pairs. Include examples.



METHOD 2 Add the opposite.

To subtract 5, add



So,
$$-3 - 5 =$$

Check Your Progress

Find
$$-6 - 1$$
.

O SEA LEVEL Parts of Death Valley in California are below sea level. A hiker starts at an elevation of 12 feet above sea level. Then she hikes to an elevation that is 8 feet below sea level. What is the difference between the two elevations?

Subtract 8 feet below sea level from 12 feet above sea level.

$$12 - (-8) = 12 +$$

temperatures?

To subtract -8, add



Simplify.

The difference between the two elevations is feet.

Check Your Progress WEATHER Yesterday's low temperature was 5°F. If today's low temperature is expected

to be -3°F, what is the difference between these two

HOMEWORK ASSIGNMENT

Page(s):

Exercises:



Copyright © Glencoe/McGraw-Hill, a division of The McGraw-Hill Companies, Inc