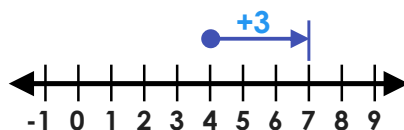


To **subtract integers**, change the **subtraction** into **addition**.

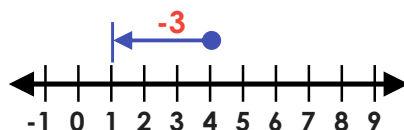
Subtract Integers

- ▶ Change the **subtraction** operation into **addition**.
- ▶ Change the **sign of the second number** to its **opposite**.
- ▶ Use **Integer Addition Rules**.

$$\begin{array}{rclcl} 4 & - & (-3) & & \\ 4 & + & (+3) & = & 7 \end{array} \quad \text{Same Signs}$$



$$\begin{array}{rclcl} 4 & - & 3 & & \\ 4 & + & -3 & = & 1 \end{array} \quad \text{Different Signs}$$



CFU

Which changes the subtraction into addition? Explain.

$$10 - (-4)$$

A $10 - (+4)$

B $10 + (+4)$

Which changes the subtraction into addition? Explain.

$$-7 - 6$$

A $7 + (-6)$

B $7 + (+6)$

- 1 Read the subtraction problem.
- 2 Change the subtraction operation into addition.
- 3 Change the sign of the second number to its opposite.
- 4 Solve the problem with the correct Integer Addition Rule. (box)

1. $-15 - 8 =$

Same Signs

Different Signs

2. $-11 - (-5) =$

Same Signs

Different Signs

3. $13 - 7 =$

Same Signs

Different Signs

4. $-14 - 3 =$

Same Signs

Different Signs

5. $-12 - 4 =$

Same Signs

Different Signs

6. $7 - (-4) =$

Same Signs

Different Signs

7. $-16 - (-9) =$

Same Signs

Different Signs

8. $8 - (-2) =$

Same Signs

Different Signs

9. $5 - 7 =$

Same Signs

Different Signs

10. $-21 - 8 =$

Same Signs

Different Signs

11. $25 - 12 =$

Same Signs

Different Signs

12. $-12 - (-30) =$

Same Signs

Different Signs

- 1 Read the problem and connect it to the number sentence. (underline)
- 2 Change the subtraction operation into addition.
- 3 Use the correct Integer Addition Rule.
- 4 Solve and interpret the answer.

1. A team has 40 points in a game show. Winning the bonus round removed their penalty of 15 points. What is their score now?

$$40 - (-15) =$$

2. The temperature was -9°F . During the night, the temperature dropped by 13 degrees Fahrenheit. What is the temperature in the morning?

$$-9 - 13 =$$

3. Leah has \$18 in the bank. Then she withdrew \$21 from the bank. What is her bank balance now?

$$18 - 21 =$$

4. A store was missing 29 oranges. An employee fixed an error and removed 17 oranges from the missing list. How many oranges is the store missing?

$$-29 - (-17) =$$

Skill Closure

- 1 Read the subtraction problem.
- 2 Change the subtraction operation into addition.
- 3 Change the sign of the second number to its opposite.
- 4 Solve the problem with the correct Integer Addition Rule.

1. $-5 - (-3) =$

2. $8 - (-4) =$

3. $-7 - 8 =$

4. $12 - (-6) =$

Concept Closure

Read the problem and answer the following question.

Luke thinks that $5 - 9 = 4$.

Do you agree with Luke? Explain.

Summary Closure

What did you learn today about subtracting integers?

Word Bank

Addition Integer
Rules

Integer Subtraction
Rule

change
opposite

- 1 Read the subtraction problem.
- 2 Change the subtraction operation into addition.
- 3 Change the sign of the second number to its opposite.
- 4 Solve the problem with the correct Integer Addition Rule.

1. $8 - 5 =$

2. $14 - 3 =$

3. $-7 - 2 =$

4. $-6 - 15 =$

5. $9 - (-2) =$

6. $32 - (-16) =$

7. $-1 - (-14) =$

8. $-9 - (-5) =$

Subtract integers.

1. $-36 - (-21) =$

2. $-8 - 67 =$

3. $45 - (-52) =$

4. $3 - 60 =$

Subtract integers.

1. $19 - 25 =$

2. $-24 - 36 =$

3. $82 - (-17) =$

4. $-29 - (-5) =$

Subtract integers.

1. $5 - 99 =$

2. $-23 - 47 =$

3. $56 - (-2) =$

4. $-18 - (-13) =$