

1.OA.7

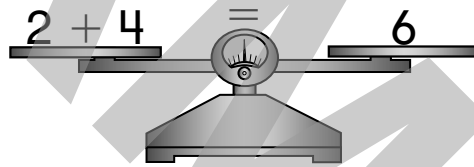
Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.

**Understand the Standards**

In a number sentence, the **equal sign** means that the sides are **balanced**. The numbers on one side of the equal sign are equal to the numbers on the other side of the equal sign.

**Words to Know**

equal sign  
balance



A number sentence can be true or false.

$6 + 4 = 10$  is true.

$6 - 4 = 10$  is false.

**Guided Instruction**

You can find if a number sentence is true or false.

Is  $8 + 7 = 14$  true or false?

**Step 1** Find the sum of  $8 + 7$ .

$8 + 7 = 15$

**Step 2** Compare both sides of the number sentence.

$15 = 14$  is false.

$8 + 7 = 14$  is false.

Which symbol will make the sentence true?

$$9 \bigcirc 6 = 3$$

Try +:  $9 + 6 = 3$ ;  $15 = 3$ ; This is false.

Try -:  $9 - 6 = 3$ ;  $3 = 3$ ; This is true.

The symbol that makes the sentence true is -.

$$9 - 6 = 3$$



### On Your Own

Write if each sentence is true or false.

1.  $3 + 9 = 12$

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2.  $13 - 4 = 8$

\_\_\_\_\_

3.  $8 + 8 = 14$

\_\_\_\_\_

4.  $13 - 5 = 8$

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5.  $2 + 0 = 20$

\_\_\_\_\_

6.  $4 + 2 = 6$

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7.  $4 + 7 = 10$

\_\_\_\_\_

8.  $18 - 9 = 9$

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9.  $9 - 7 = 3$

\_\_\_\_\_

10.  $14 - 4 = 1$

\_\_\_\_\_

11.  $7 + 6 = 13$

\_\_\_\_\_

12.  $14 - 8 = 5$

\_\_\_\_\_



13. Hector writes  $6 + 5 = 12 - 1$ . Is this number sentence true? Explain.

\_\_\_\_\_

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\_\_\_\_\_

**Write if each sentence is true or false.**

14.  $5 + 5 = 10$

\_\_\_\_\_

15.  $17 - 9 = 8$

\_\_\_\_\_

16.  $16 - 8 = 8$

\_\_\_\_\_

17.  $6 - 2 = 4$

\_\_\_\_\_

18.  $15 - 9 = 7$

\_\_\_\_\_

19.  $4 + 8 = 14$

\_\_\_\_\_

**Write + or - to make each sentence true.**

20.  $15 \bigcirc 3 = 12$

21.  $7 \bigcirc 2 = 9$

22.  $9 \bigcirc 4 = 5$

23.  $3 \bigcirc 2 = 5$

24.  $14 \bigcirc 7 = 7$

25.  $10 \bigcirc 1 = 11$

**Solve. Share your answers with a classmate.**

 Elevate

26. Ted says that  $4 + 3 = 1$  is a true number sentence. Is Ted correct? Tell why or why not.

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Answer the questions below.

27. Which number sentence is true?

- A.  $4 + 9 = 49$
- B.  $15 - 7 = 9$
- C.  $7 + 6 = 12$
- D.  $16 - 9 = 7$

28. Which symbol makes the number sentence true?

$$11 \bigcirc 5 = 6$$

- A. +
- B. -
- C. >
- D. <

29. Circle the number sentences that are true.

$$3 + 8 = 11 \quad 11 - 6 = 4 \quad 6 - 4 = 2$$

$$8 + 5 = 12 \quad 12 - 6 = 6$$

 Elevate

30. Write the symbol that will make this number sentence true. Tell how you found your answer.

$$8 + 2 = 7 \bigcirc 3$$

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