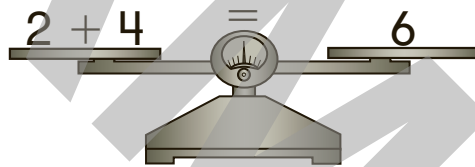


1.OA.7

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.

$$6 + 4 = 10 \text{ is true.}$$

$$6 - 4 = 10 \text{ is false.}$$

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.

$$15 = 14 \text{ is false.}$$

$$8 + 7 = 14 \text{ is false.}$$

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. $3 + 9 = 12$

2. $13 - 4 = 8$

3. $8 + 8 = 14$

4. $13 - 5 = 8$

5. $2 + 0 = 20$

6. $4 + 2 = 6$

7. $4 + 7 = 10$

8. $18 - 9 = 9$

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.

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.

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.

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