Name:	Date:

True or False? Understanding the Equal Sign

LEARNING OBJECTIVE

I can tell if an equation with an equal sign (=) is true or false.

What is the Equal Sign?

The equal sign (=) means that the values on both sides of it are the **same**.

Think of it like a balanced scale. For an equation to be **true**, both sides must be perfectly balanced and equal.



These scales are balanced, showing the two sides are equal.

Let's Look at Some Examples

True Equation

$$5 + 3 = 8$$

This is **true** because 5 + 3 is 8. Both sides are equal.

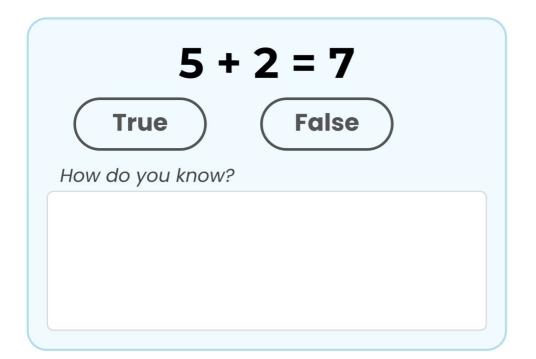
False Equation

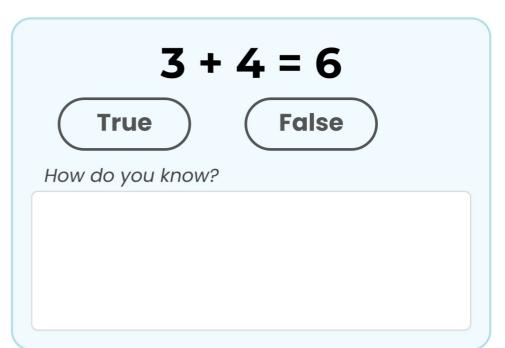
$$4 + 2 = 7$$

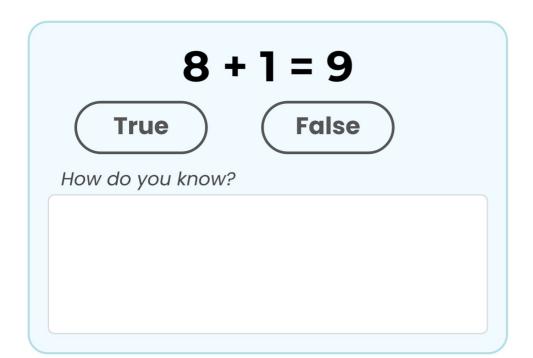
This is **false** because 4 + 2 is 6, not 7. The two sides are not equal $(6 \neq 7)$.

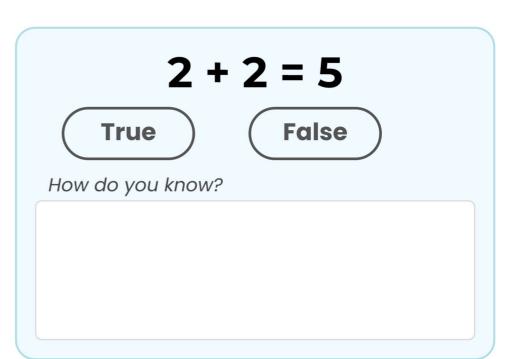
Practice Set 1: True or False?

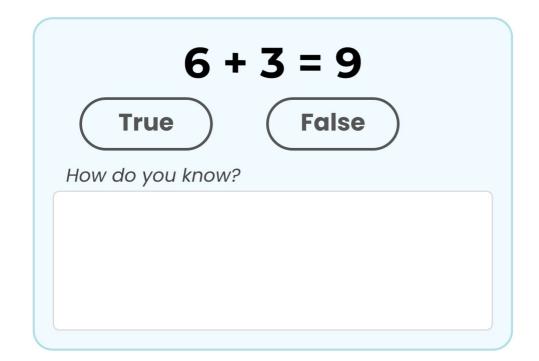
Directions: Read each equation. If it is correct, circle **True**. If it is not correct, circle **False**. Then, in the box below, explain how you know.

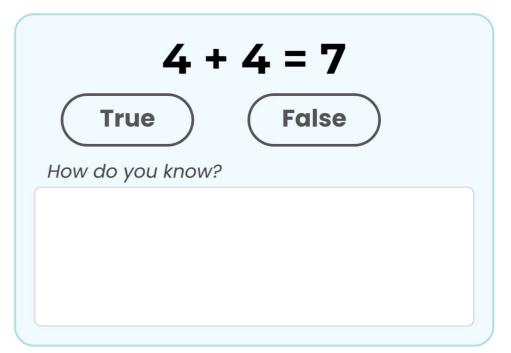












Practice Set 2

Directions: Read each equation below. Is it a true statement? Circle 'True' if it is correct and 'False' if it is not.

	True	False
15 - 7 = 8		
16 - 8 = 8		
13 - 7 = 6		
11 = 12 - 1		
18 - 9 = 9		
12 - 5 = 7		
14 - 6 = 8		
15 - 5 = 10		

Self-Check

How many are TRUE?			

How many are FALSE?		

Challenge Zone

Fill in the missing number to make each equation **true**.

Time to Reflect

In your own words, what does the equal sign (=) mean?

Exit Ticket

Show what you know! Create one **true** equation and one **false** equation.

My **True** Equation:

My False Equation:		