# Story Problems within 10

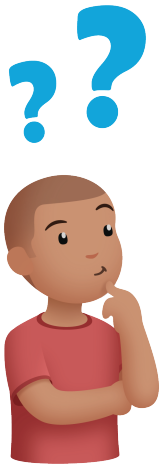
Let's solve story problems.

## Warm-up

### Notice and Wonder: Han's Cup

What do you notice?
What do you wonder?

Han plays *Shake and Spill*.
He has some counters in his cup.
Then he puts more counters in his cup.



Activity 1

# A Shake and Spill Story Problem

Han plays *Shake and Spill*.
He has some counters in his cup.
Then he puts 3 more counters in his cup.
Now he has 10 counters in his cup.
How many counters did he start with?
Show your thinking using drawings, numbers, or words.



Equation: _____

Activity 2

# Shake and Spill Story Problems

Students play *Shake and Spill*.

1. Noah starts with 10 counters in a cup.
   4 of the counters fall out.
   How many counters are still in the cup?

2. Kiran has 4 counters in a cup.
   He puts more counters in.
   Now he has 7 counters in his cup.
   How many more counters did Kiran put in his cup?

3. Clare has some counters in a cup.
   She puts 3 more counters in.
   Now she has 9 counters in her cup.
   How many counters were in her cup before she added more?

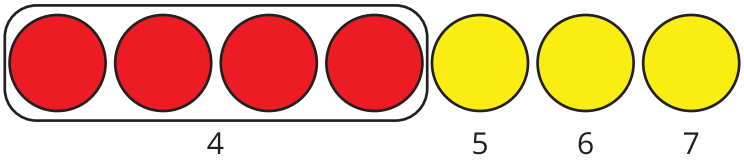


## Section A Summary

We practiced adding within 10.

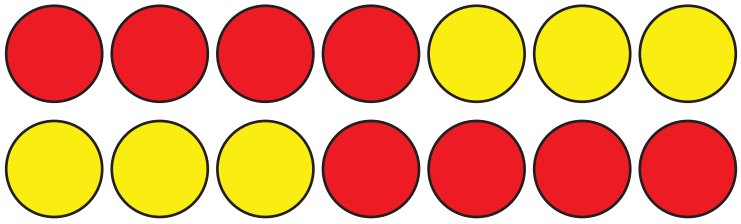
We counted on.

$$4 + 3 = \boxed{7}$$




We added in any order.

$4 + 3$ is the same amount as $3 + 4$.



We learned that when expressions have the same value, you can show that with an equal sign.

$$4 + 3 = 3 + 4$$

We learned that we can use addition to find the difference between 2 numbers.

$$10 - 6 = \square$$

$$6 + \square = 10$$

Since I know $6 + 4 = 10$, then I know $10 - 6 = 4$.

