

# The Change Machine

*A Story About the Change Schema*



*Leo and his lemonade stand!*

A book about addition and subtraction word problems!



# Meet Leo!



*Leo loves his lemonade stand!*

Leo is a boy who loves making lemonade!

Every day, things **CHANGE** at his lemonade stand.

Sometimes he gets **MORE** lemons. 🍋 +

Sometimes he uses some up. 🍋 -

The Change Schema helps us keep track!

**START** → **CHANGE** → **RESULT**

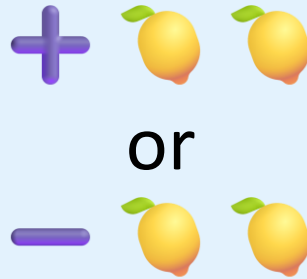
# The Change Schema: Three Parts!

*"Every change story has a **START**, a **CHANGE**, and a **RESULT**.  
Something begins, something happens, and then we see what's left!"*



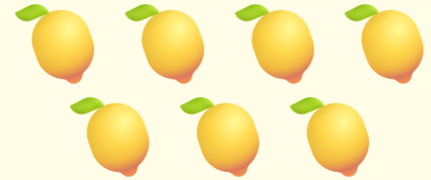
**START**

How many we have  
at the beginning



**CHANGE**

Something is added  
or taken away

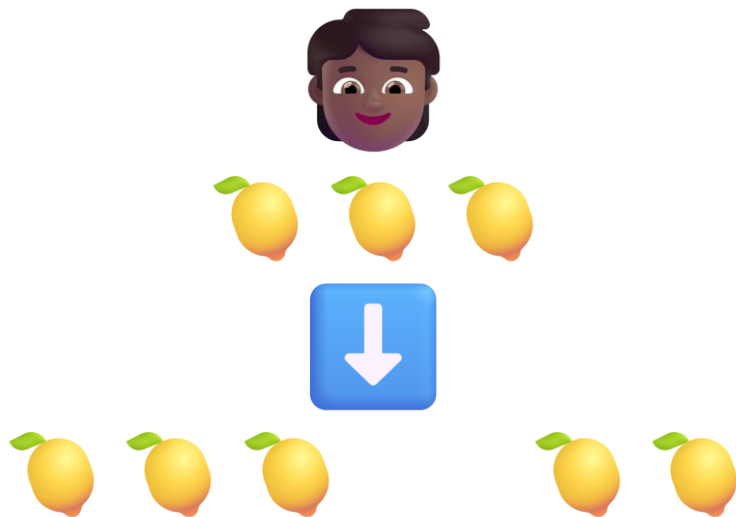


**RESULT**

How many we have  
at the end

# Part One: Change INCREASE +

Page 1



*Leo gets more lemons!*

One morning, Leo set up his lemonade stand.

"I have 3 lemons to start," he said.

Then his neighbor Ms. Rosa came by with a big bag.

*"Here are 2 more lemons for you, Leo!"*

*"Wow! Now how many lemons do I have?"  
Leo wondered.*

# Let's Use the Change Schema! (Adding)



**3 + 2 = 5** ★ **Leo now has 5 lemons!** (5 lemons)

1

Find the **START**  
How many at the beginning?

2

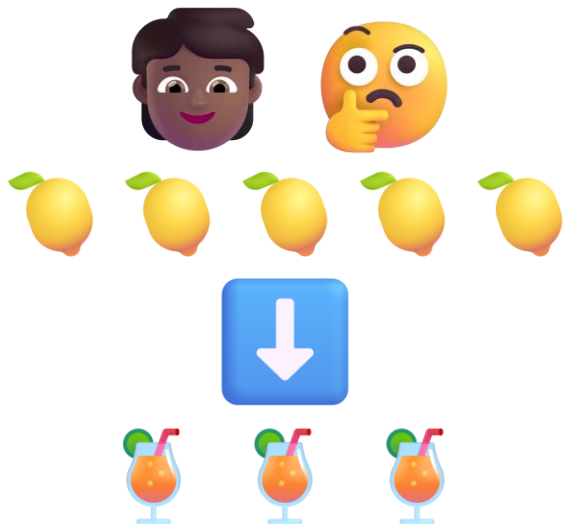
Find the **CHANGE**  
How many were added?

3

Find the **RESULT**  
Add **START + CHANGE!**

## Part Two: Change DECREASE

Page 2



*Leo uses some lemons!*

That afternoon, Leo had 5 lemons.

"I am going to make some lemonade!" he said.

Leo squeezed 3 lemons into his big pitcher.

*"Hmm," said Leo. "I started with 5 lemons and used 3. How many lemons do I have LEFT?"*

# Let's Use the Change Schema! (Taking Away)



**5 - 3 = 2** ★ Leo has **2 lemons left!** 🍋 🍋

1

Find the START  
How many at the beginning?

2

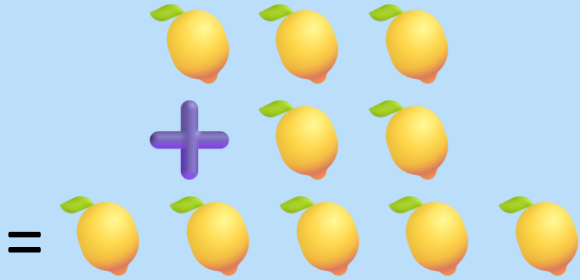
Find the CHANGE  
How many were taken away?

3

Find the RESULT  
Subtract: START - CHANGE!

# Two Kinds of Change!

Change **INCREASE** +

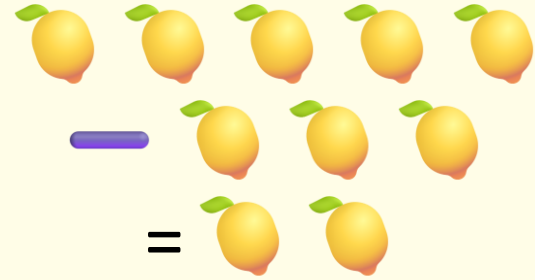


Something is **ADDED**.  
The result is **MORE**  
than the start.

**START + CHANGE = RESULT**

VS

Change **DECREASE** -



Something is **TAKEN AWAY**.  
The result is **LESS**  
than the start.

**START - CHANGE = RESULT**



# NOW YOU TRY IT! Change Decrease

Leo had 8 cups of lemonade.   
He sold 5 cups to customers.  How many cups does he have left?

**START**  
\_\_\_\_\_ cups

**CHANGE -**  
\_\_\_\_\_ cups

**RESULT**  
\_\_\_\_\_ cups

*Think: START - CHANGE = RESULT*

Cross out 5:  
 minus  = 

# Great Job! What Did We Learn?



## Every change story has **THREE** parts

A **START** (how many at the beginning), a **CHANGE** (what happened), and a **RESULT** (how many at the end).



## Change **INCREASE** means **MORE**

Something was added. Use **ADDITION**:  $\text{START} + \text{CHANGE} = \text{RESULT}$ .



## Change **DECREASE** means **LESS**

Something was taken away. Use **SUBTRACTION**:  $\text{START} - \text{CHANGE} = \text{RESULT}$ .



## Always ask: **what changed?**

Look for words like "got more," "some came," "used," "gave away," or "left."

# The End! 🎉

Remember:

- + Something added?  $\text{START} + \text{CHANGE} = \text{RESULT}$
- Something taken away?  $\text{START} - \text{CHANGE} = \text{RESULT}$



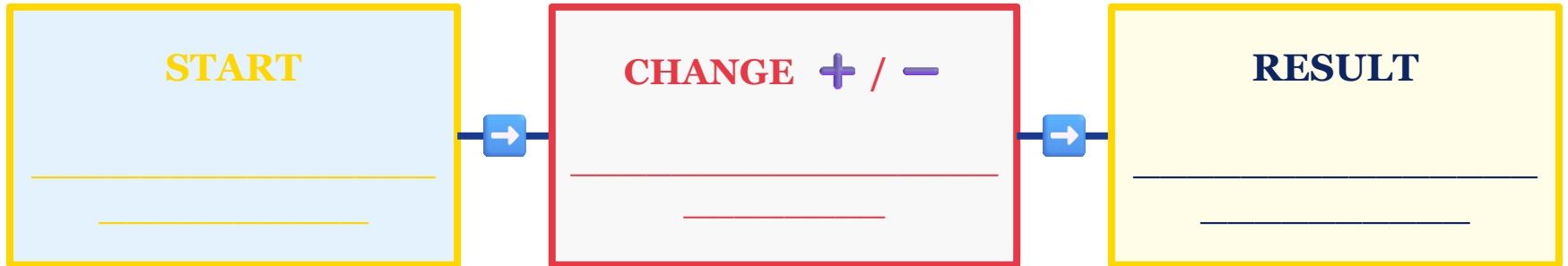
*Leo's lemonade stand is open! Come visit!*

# Change Schema Graphic Organizer — Fill It In!

My word problem: \_\_\_\_\_

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Circle one: **+** INCREASE or **-** DECREASE



Number sentence: \_\_\_\_\_

+/- \_\_\_\_\_ = \_\_\_\_\_

*START +/- CHANGE = RESULT*