

UNDERSTANDING

# **MULTIPLICATION AND DIVISION**

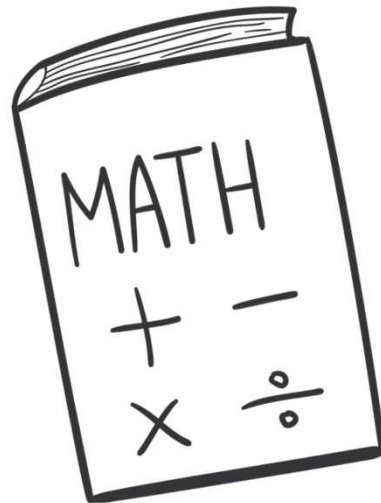
DONUTS IN A BOX

**LESSON 2**

# TODAY'S OBJECTIVE

Today we will build equal groups to show multiplication problems.





# TAKE OUT YOUR **MATH JOURNALS**





**During today's lesson you are going to work together to solve multiplication problems. Let's solve one together.**





Ryan placed 2 donuts in each of the four boxes below. Draw the donuts in the boxes.

Box #1	Box #2	Box #3	Box #4
			



During today's lesson you are going to work together to solve multiplication problems. Let's solve one together.

What multiplication equation matches the picture?

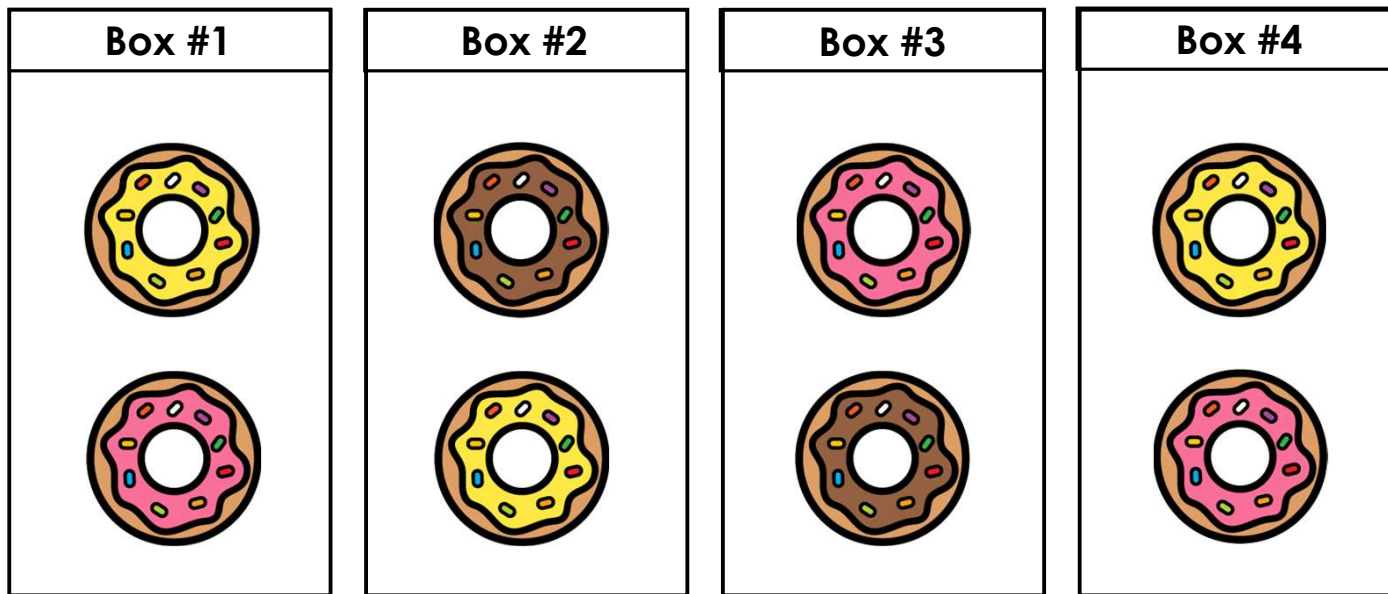
Box #1	Box #2	Box #3	Box #4
			

$$4 \times 2 = 8$$



During today's lesson you are going to work together to solve multiplication problems. Let's solve one together.

What does the 4 represent in the equation?



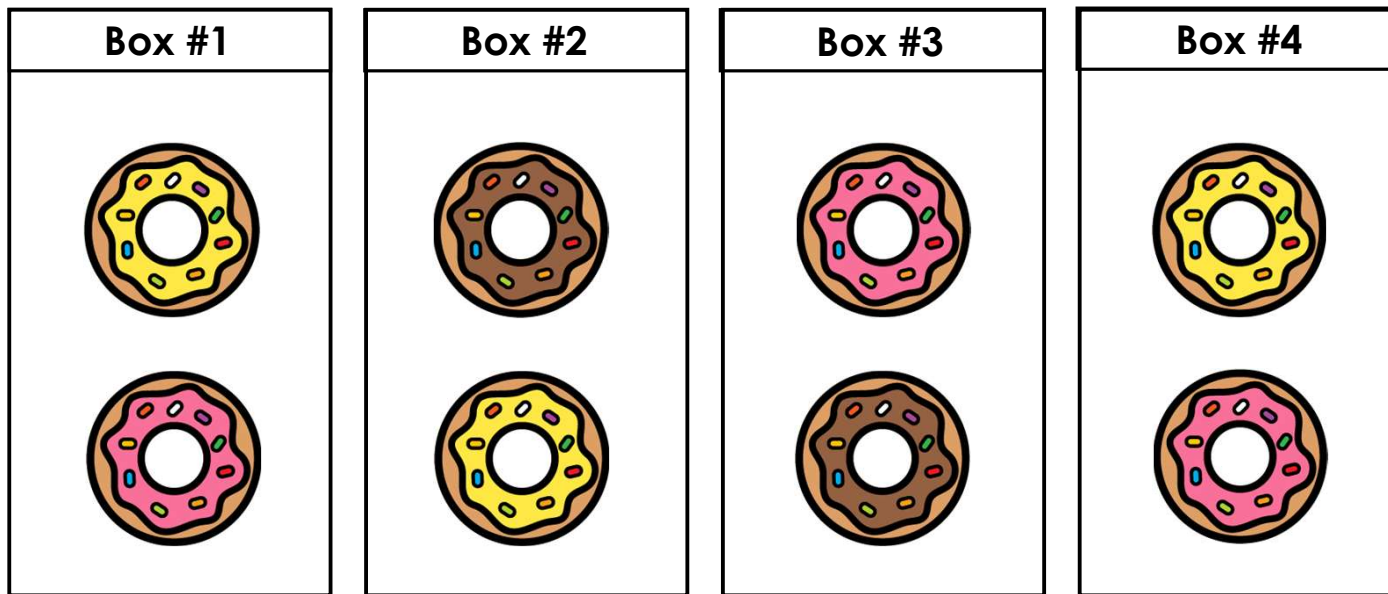
$$4 \times 2 = 8$$

The 4 represents the number of equal groups, in this case, boxes of donuts.



During today's lesson you are going to work together to solve multiplication problems. Let's solve one together.

What does the 2 represent in the equation?



$$4 \times 2 = 8$$

The 2 represents the number of donuts in each box.

# CHECK - IN

- What did you notice?
- Can you make a connection to anything else you already know? How?
- Do you have any questions?





# DONUTS IN A BOX

## ACTIVITY



# MATERIALS NEEDED

## Each Student Needs:

Donuts in a Box Template

Donut Cut-Out

Order Form

Paper clip (for the spinner)

Pencil



# YOUR ASSIGNMENT

Pretend you are employees of the Supreme Donut Shop.

You will work in pairs to box up different donut orders.

The goal is to see who boxes the most donuts.



# DIRECTIONS

## STEP 1

Write your names on your order forms and cut out your donuts.

## STEP 2

Spin both spinners. The first spinner tells the number of boxes, and the second spinner tells the number of donuts in each box.

## STEP 3

Create your orders by placing the donut cut-outs on the Donut in a Box Template.

## STEP 4

Record your orders on your Order Forms.

## STEP 5

Discuss your order with your partner. (Which order is larger? Which is smaller?)

## STEP 6

Clear your Donut in a Box Templates and repeat steps 2 -5.

## STEP 7

After the 10<sup>th</sup> order, add all your orders. Determine who boxed the most donuts.