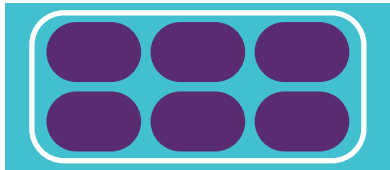# Multiplication:

Brownies!

Did you know that both multiplication and repeated addition are used to find the total number of objects in equal groups?

Multiplication is just a shortcut when you are adding equal groups.

You can find the total number of brownies on this tray with this repeated addition equation:

$$3 + 3 = 6 \text{ brownies}$$

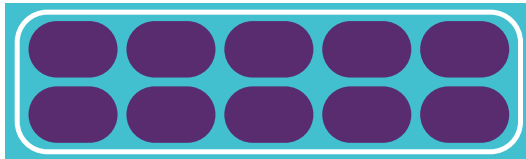You can also find the total by writing this multiplication equation:

Multiplication Sentence

# of rows ⟵ $2 \times 3 = 6$ ⟶ total # of brownies

↓

# of brownies per row

Now, let's put your addition and multiplication skills to the test as you solve this word problem.

Betty the Baker robot signed up to bake 20 brownies for her school's bake sale. She baked two batches of brownies. Look below to see if Betty baked enough brownies!
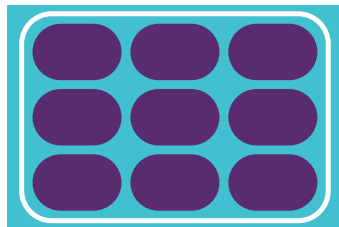
Betty's 1st batch:

repeated addition sentence: __5 + 5 = 10 brownies__
multiplication sentence: __2 x 5 = 10 brownies__

Betty's 2nd batch:

repeated addition sentence: __3 + 3 + 3 = 9 brownies__
multiplication sentence: __3 x 3 = 9 brownies__

Did Betty bake enough brownies? No. The sum (or total) of brownies for batch 1 and 2 is 19. She needed to bake one more brownie to have baked enough for the bake sale.