More S'Mores

The Big Idea:

Do you love gooey chocolate and melty marshmallows? Do the math to bake a whole tray of S'mores – and without any dirt or leaves mixed in!

You Will Need:

- ★ 16 long graham crackers, snapped to make 32 squares
- ★ 4 milk chocolate bars
- ★ 10-oz bag of mini marshmallows
- ★ Ungreased cookie sheet
- ★ Oven

The Math Behind the Scenes:

In this fun recipe, we lay out square stacks of ingredients to make S'mores. The nice neat rows and columns make an array, showing how multiplication is the same thing as adding the same number over and over. Since the squares are all the same size, you can also have great conversations about area.

Stack Your Snacks

When you make a campfire S'more, you roast a marshmallow on the end of a stick over the open fire. Once it's warm and browned and melty, you place it on top of a graham cracker with a square of chocolate. Then you place another graham cracker on top and squeeze. The marshmallow melts the chocolate, making a tasty, gooey snack.

If you don't have a raging fire handy, here's how to bake a whole bunch of S'mores at once, thanks to our friends at Gooseberry Patch. You'll have your snacks faster, and with a lot less work!

1. Preheat oven to 400°F.
2. Place half of your 32 graham cracker squares in rows on a cookie sheet, laying them edge to edge.
3. Divide each of the 4 candy bars into 4 sections, and place each rectangle of chocolate on a graham cracker.

Screenshot: Gooseberry Patch via YouTube

4. Top the whole area of graham crackers and chocolate with an even layer of mini marshmallows.
5. Bake in the oven for 3-5 minutes, until the marshmallows turn puffy and golden.
6. Immediately press the second set of graham crackers on top and press down to stick it all together.

Gimme S'more Math

Try as many questions as you can! Answers upside-down below.

PreK: Each graham cracker out of the box is a rectangle. Find 3 rectangle-shaped things in the room.

Kindergarteners: When you snap the graham cracker to make a 4-sided shape with equal sides, what do you call that shape?

1st- graders: When you place half of the 32 crackers on the pan, how many are you placing?

2nd-graders: If you line up the 16 crackers in 4 rows of 4, how many snacks are along the edge? How could you figure that out without counting? (Hint: How many are *not* on the edge?)

3rd-graders: If each S'more has 2 crackers, a chocolate square, and 2 mini marshmallows, how many pieces of food do the 16 S'mores have in total?

4th-graders: If you wanted each of the 16 S'mores to have 7 mini marshmallows, how many mini marshmallows would you need?

5th-graders: If you ate 3/8 of the snacks on the tray, how many would be left?