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Founded by Betty Debnam

Mini Fact:

"Eleven plus two" and "Twelve plus one" are anagrams of each other,

and both are equal to 13!



Next Week: Welcome to Beijing!

Playing **Math**

scary, but it really can be fun. Math

becomes easier when you learn to

break down problems into smaller

that, hard problems become easier.

are breaking it into

solving other kinds of problems. They've

learned how to break things down into simple

pieces. They can also see patterns and how

Use rhymes to remember

If you want to multiply by 5, how would

and then cut it in half. (Five is half of 10.) Half

An easy thing to do is to multiply 66 by 10

In the book "The Grapes of

Math," author Greg Tang uses

"A group of 5 you'll find with ease.

different parts.

People who can solve one kind

of problem are probably good at

things fit together.

you do it? What is 5×66 ?

of 660 is 330.

Keep it simple

Do you enjoy math? Some kids think it's

You don't have to keep big numbers in

your head. The main trick is to break down

big numbers into simpler ones. When you do

break things down into simple parts without

For example, when you read, you probably

even thinking about it. When you

sound out a word, for example, you



Now try multiplying by 9. Can you multiply 9 x 6? How about 9 x 89? Remember to break the problems into simpler parts.

Here's Greg's poem to help you: "A group of 9 requires tact. "Start with 10 and then

subtract." (10 - 1 = 9)

Try it! We'll give you the answers first: $9 \times 6 = 54$ 9 x 89 = 801

So ... So ... 10 x 6 = 60 10 x 89 = 890 890 - 89 = 801 60 - 6 = 54



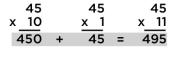
Once you understand how numbers work, you can play all sorts of games with them.

For example, you can learn to multiply two-digit numbers by 11. Let's start with:

What is the same about the middle number in each answer?

In all these answers, we added together the two digits in the original number. (7 + 2 =9, 8 + 1 = 9, 4 + 4 = 8) The sum is now in the middle of the multiplication answer.

You can also remember that when you are multiplying by 11, you are really multiplying by 10, then multiplying by 1. Then you add the answers together.







Learning to improvise

"The secret to being smart is taking something complicated and breaking it apart," Greg Tang said. "It is knowing how to break things into the groups that make the most sense."

He said doing math is like being a good cook. Once you learn the basics, you can start improvising, or trying new things.

Most good cooks don't follow recipes exactly. They get creative. They might put extra walnuts in the chocolate chip cookies. Or they might add peanut butter pieces instead.

If you followed every recipe exactly, you might get bored. It's the same with math. When you're learning, you probably need to follow the formulas.

But once you get going, you can spot connections between different ideas. Solving a problem can be exciting!



On the Web:

• bit.ly/MPmathtricks

At the library:

 "Do the Math! Challenging, Fun Math Puzzles for Kids" by Steven Clontz and Jessica Clontz

Try 'n' Find

poems as an aid:

"Half of 10 is just a breeze."

Words that remind us of solving problems are hidden in this puzzle. Some words are hidden backward or diagonally, and some letters are used twice. See if you can find:

ADD, ANSWER, CONNECTION, FORMULA, GAME, IMPROVISE, MATH, MULTIPLY, NUMBERS, PATTERNS, PROBLEM, RECIPE, RHYMES, SIMPLE, SMALL, SOLVE, SUM, TRICK.

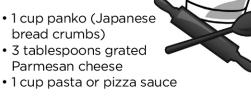
X I C D R F S O L V E N M KXMCONNECT SMELBORPDABAQY ELJFHKGMALND E S N S S 0 S RΙ ΜР R O Vı Ε D ТО YUCMUL Ρ LYHNQF Т

Cook's Corner Mac 'n' Cheese Croquettes

You'll need:

- Cooking spray
- · 4 cups prepared macaroni and cheese,
- 2 large egg whites
- 1 cup panko (Japanese bread crumbs)
- Parmesan cheese

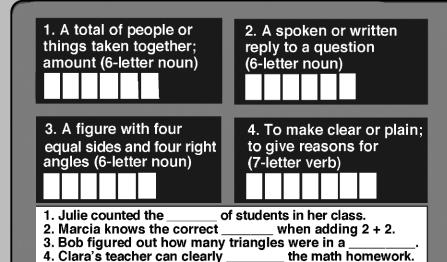




What to do:

- 1. Preheat oven to 350 degrees. Coat large baking sheet with cooking spray.
- 2. Using wet hands, form chilled mac 'n' cheese into 4 equal patties about 1 inch thick. 3. Place egg whites in shallow dish. Mix panko and Parmesan in another shallow dish.
- 4. Dip patties into panko mixture and turn to coat. Dip into egg whites, turn to coat, and
- repeat in panko mixture.
- 5. Transfer croquettes to baking sheet and bake for 15 minutes or until golden brown.

6. Heat pasta sauce and use for dipping or drizzle over croquettes. Serves 4. Adapted from "The Robin Takes 5 Cookbook for Busy Families" with permission from Andrews McMeel Publishing (andre



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ROOTONYM® by Jan & Carey Orr Cook

Study the definition. When you know the fill in the letter boxes and the

sentence blanks

Mini Jokes

Manny: What did the magician who liked math do for fun?

Mary Catherine: Arithmetricks!

Falling rabbit populations across the United Kingdom have prompted the National Heritage organization to ask landowners to create rabbit "hotels" to help the bunnies survive. A new viral disease caused rabbit numbers to decrease by 43% across all of Britain between 2008 and 2018. The Shifting Sands project asks people to arrange piles of branches around rabbit warrens to provide safety from predators and to create new sites for females to give birth.

For later:

Look in your newspaper for numbers you can try new tricks with.

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