

Floating Bubbles

Challenge a friend to see whose bubble stays in the air longer. Blow at the same time and begin counting slowly.

Do you think you will get to 10? 20? Will you get as high as 50?



Food for Thought

Fill in the blanks with something that makes sense.

I could eat 100 _____

but not 100 _____.

I could lift 100 _____

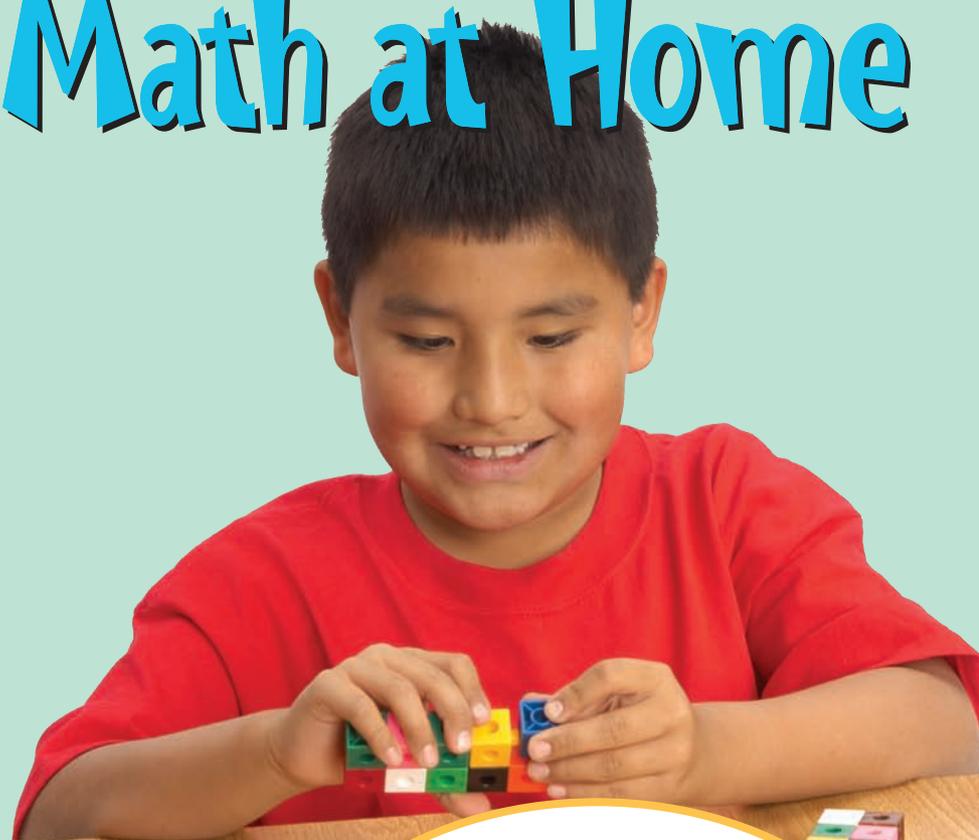
but not 100 _____.

I would like to have 100 _____

but not 100 _____.

Make up some more sentences of your own.

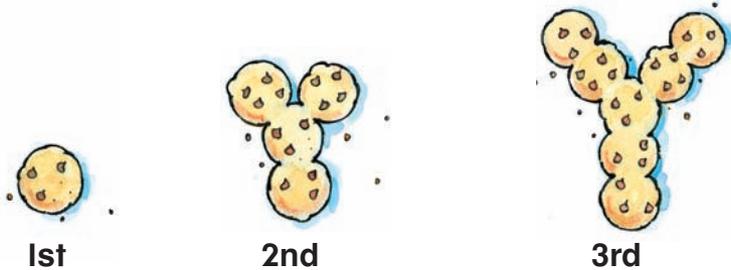
Math at Home



**Hop aboard
the Math Express.
Where will we go today?
To a land of math mystery
where we can learn and play.
We'll see patterns and numbers.
We'll see money and counting,
so much fun in store!**

Crazy Cookies

The cookie-making machine at a local factory has gone wild! Each time a cookie pops out, its shape changes. Check the first 3 cookies that came out.



The pattern continues.

What will the 5th cookie look like? The 7th cookie?
Which one would you like to eat?

Find Your Page!

Find a book with almost 100 pages in it.

Get a friend to call out a page number that could be in the book.

Open the book as close as you can to that page number. Estimate how far off you were, then give your friend a turn.

What was the closest you got?

Would it be easier if the book had 50 pages? Why?

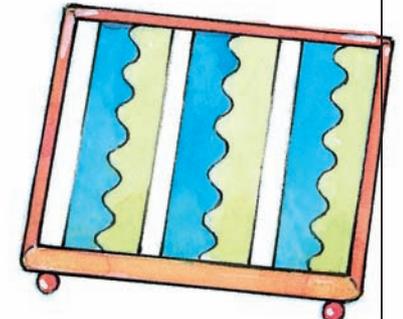
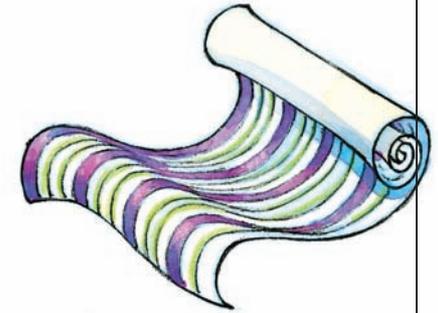
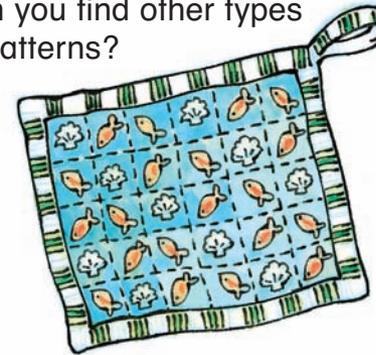


Pattern Search

At home, look for patterns made with

- colours
- pictures
- different objects
- numbers

Can you find other types of patterns?



Elevating Elevators

Imagine you are in a tall building. You leave the doctor's office and get on the elevator at floor 11.

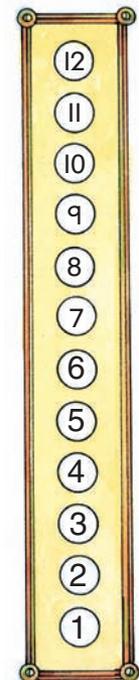
You need to go down 5 floors to get to the cafeteria.

Which button will you push?

Suppose you got on at floor 3 and went up 9 floors.

On which floor will you get off?

Make up some elevator problems of your own.



Doubles Hunt

At the grocery store, look to see how many items you can find that are packaged in doubles. When you find one, figure out how the numbers would change if you added a few more or a few less.

Here are some items to get you started:



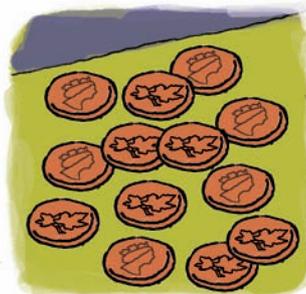
What others can you find?

Penny Problems?

Put 13 pennies in a cup.
Spill them out.

Record a number sentence that tells the number of heads and the number of tails and the sum.

If you do it again, will it be the same?
How many ways are there? Try it and see!



7

+



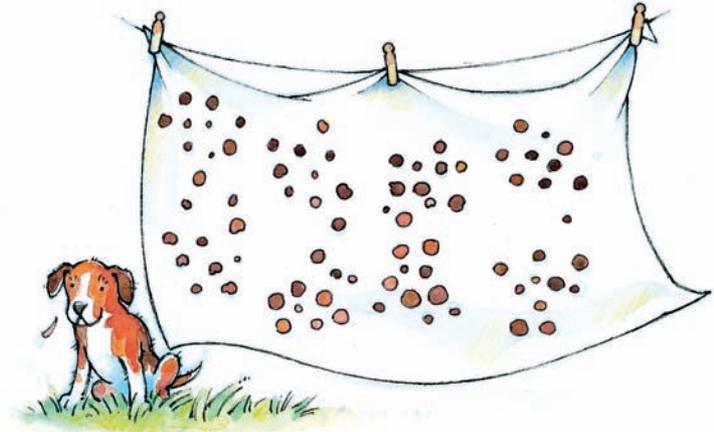
6

= 13

Dirty Laundry

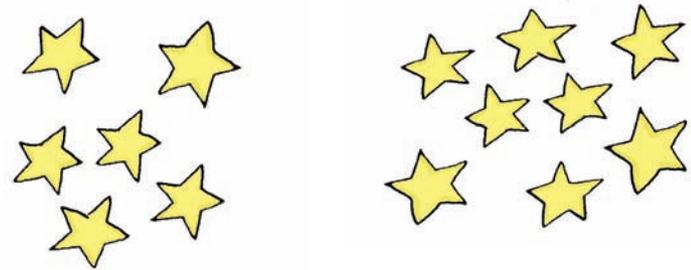
Max ran through a big puddle. He shook off the mud beside the clean laundry.

Estimate how many mud spots landed on the sheet.
(Think groups of 10, then the estimating will be a breeze!)



Adding Stars

How many stars altogether?



Sean said, "8 and 2 more is 10. And 4 more is 14."

Amy said, "I know 8 and 8 is 16.
If I take 2 away, it's 14."

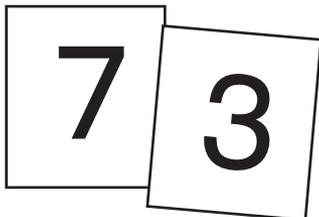
Who's right? Why do you think so?

Secret Numbers



You'll need:

- 5 sets of number cards from 0 to 9, shuffled and placed face down
- ten frames
- 20 counters



On your turn:

- Draw 2 cards and place them **face up** in front of you. These cards show 73.
- Draw 2 more cards and place them **face down** in front of a friend.

Your friend has a choice:

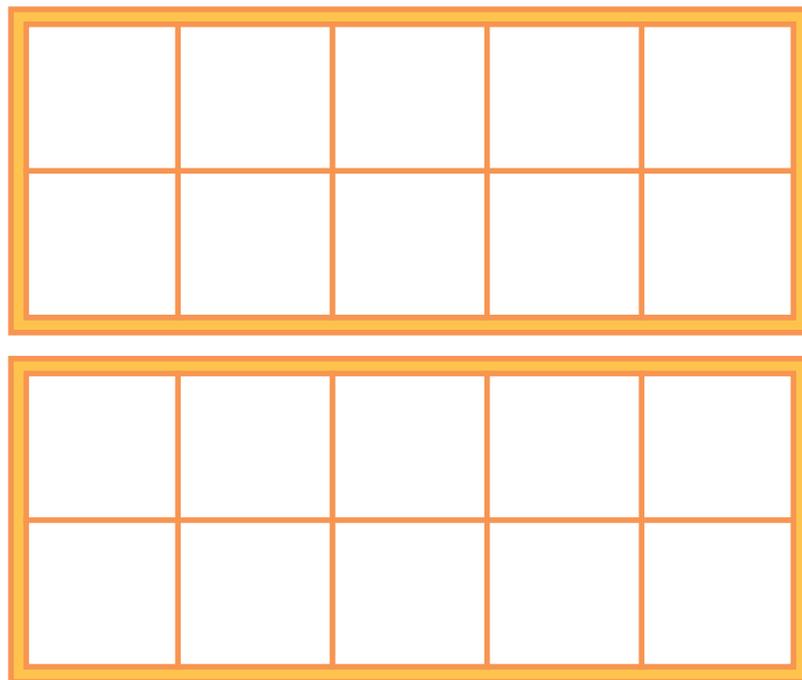
- Trade a card for one of yours.
- Leave the cards alone.

Once you trade or keep cards, look at the numbers.

- Flip over the face-down cards, then read both numbers.
- The player with the greater number puts a counter on his ten frame.
- The cards go into the discard pile. The other player draws the next cards.

The first player to fill a ten frame wins!

Ten Frames for Secret Numbers



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Can you think of a different game to play with the same materials?