

# Contents: Chapter 10



## Beyond 100

What number is one hundred more than two hundred?

14



## Counting Up

How would you add 7 to 196?

30



## Blocks

What number do you get when you combine 2 hundreds, 11 tens, and 4 ones?

46



## Apart

Which expression below is not equal to the others?

62

$$200+40+7 \quad 7+240 \quad 40+7+200 \quad 70+200+4 \quad 200+47$$

# Chapter 10:

## Big Numbers

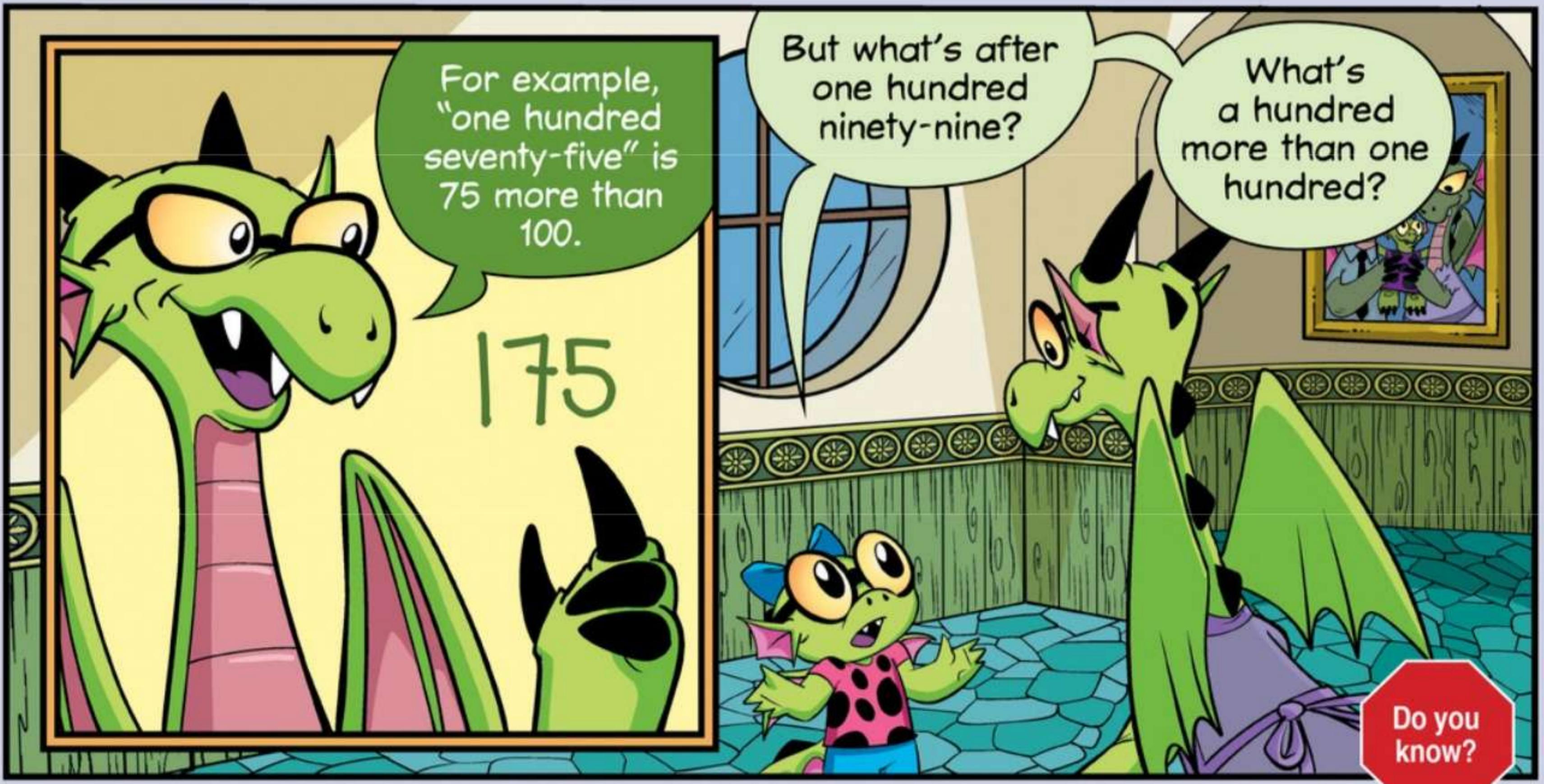
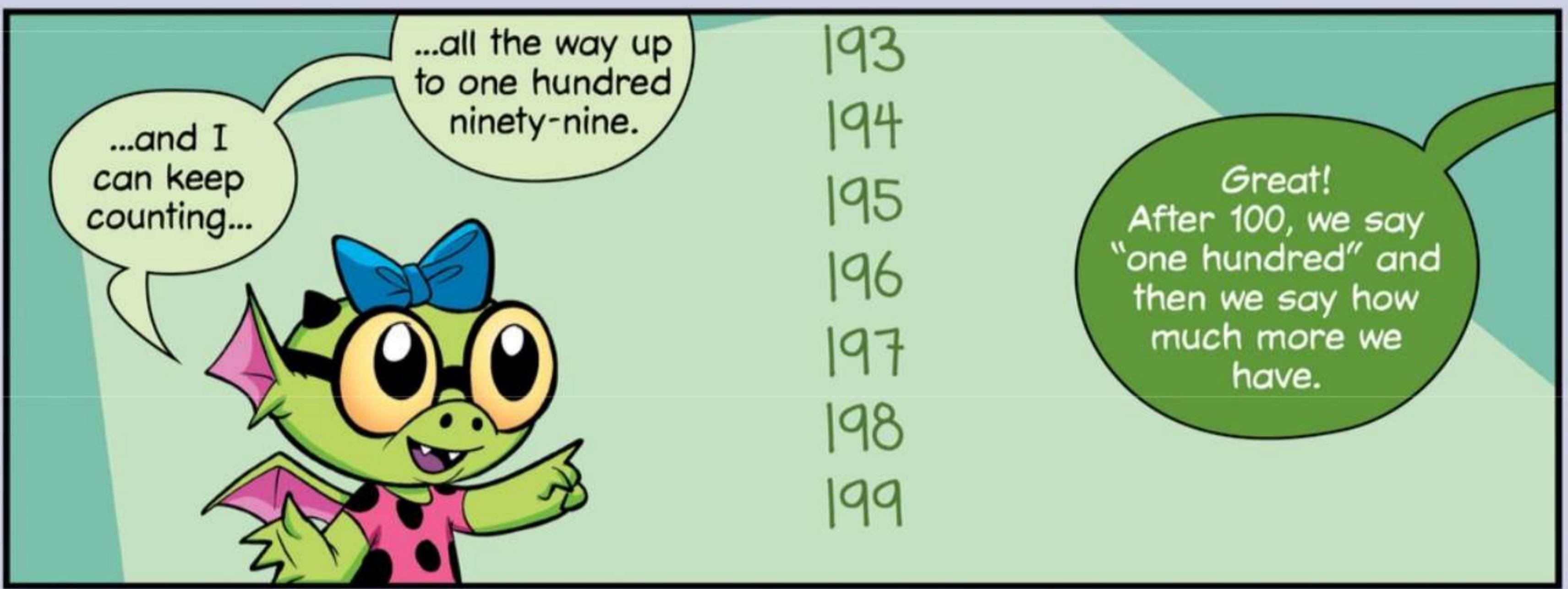


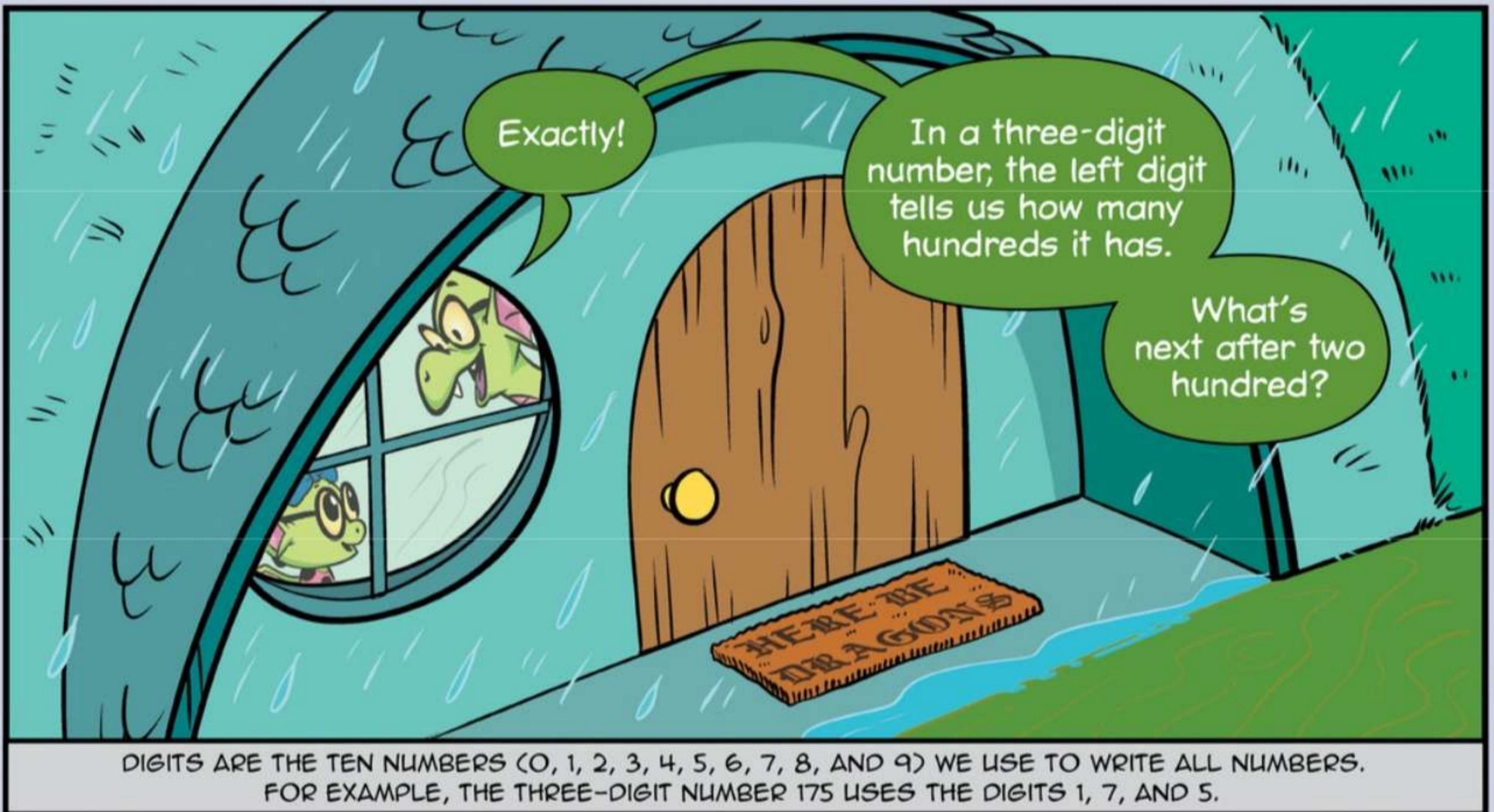
# Dragon's Den BEYOND 100





101 CAN BE READ AS "ONE HUNDRED AND ONE," OR JUST "ONE HUNDRED ONE." WE THINK IT'S FINE EITHER WAY, BUT WE'LL USUALLY LEAVE OUT THE WORD "AND" IN THIS BOOK.





DIGITS ARE THE TEN NUMBERS (0, 1, 2, 3, 4, 5, 6, 7, 8, AND 9) WE USE TO WRITE ALL NUMBERS. FOR EXAMPLE, THE THREE-DIGIT NUMBER 175 USES THE DIGITS 1, 7, AND 5.



To keep counting past 200, I just say "two hundred" before each number from 1 to 99.



- 200 two hundred
- 201 two hundred one
- 202 two hundred two
- 203 two hundred three
- 204 two hundred four

And a hundred more than two hundred is...  
...three hundred!



- 296 two hundred ninety-six
- 297 two hundred ninety-seven
- 298 two hundred ninety-eight
- 299 two hundred ninety-nine
- 300 three hundred

You got it.  
From there, you  
can count the same  
way to 400, then  
500, then 600...  
...all the way  
to nine hundred  
ninety-nine.

Wanna  
help me count  
my steps back  
to the bus  
stop?

Sure!  
But by this time  
next year, you may  
not need to take  
any steps at all!

Flying  
lessons  
start next  
week!



# MATH CLUB

## COUNTING UP

Is this you at Star Search, Ms. Levans?

It sure is!

What was it like going to space?

STAR SEARCH MISSION CREW

Oh, I never went.

I like to keep my feet on the ground.

I worked in the command center.

Whoa! What kind of stuff did you have to do?

My job was to make sure flights were always safe.

Even the little details made a difference.

For example, it was important to know **exactly** what was on the ship before launch.

You wouldn't want anyone to forget a toothbrush!

That's right!

Gear was carefully counted and loaded.

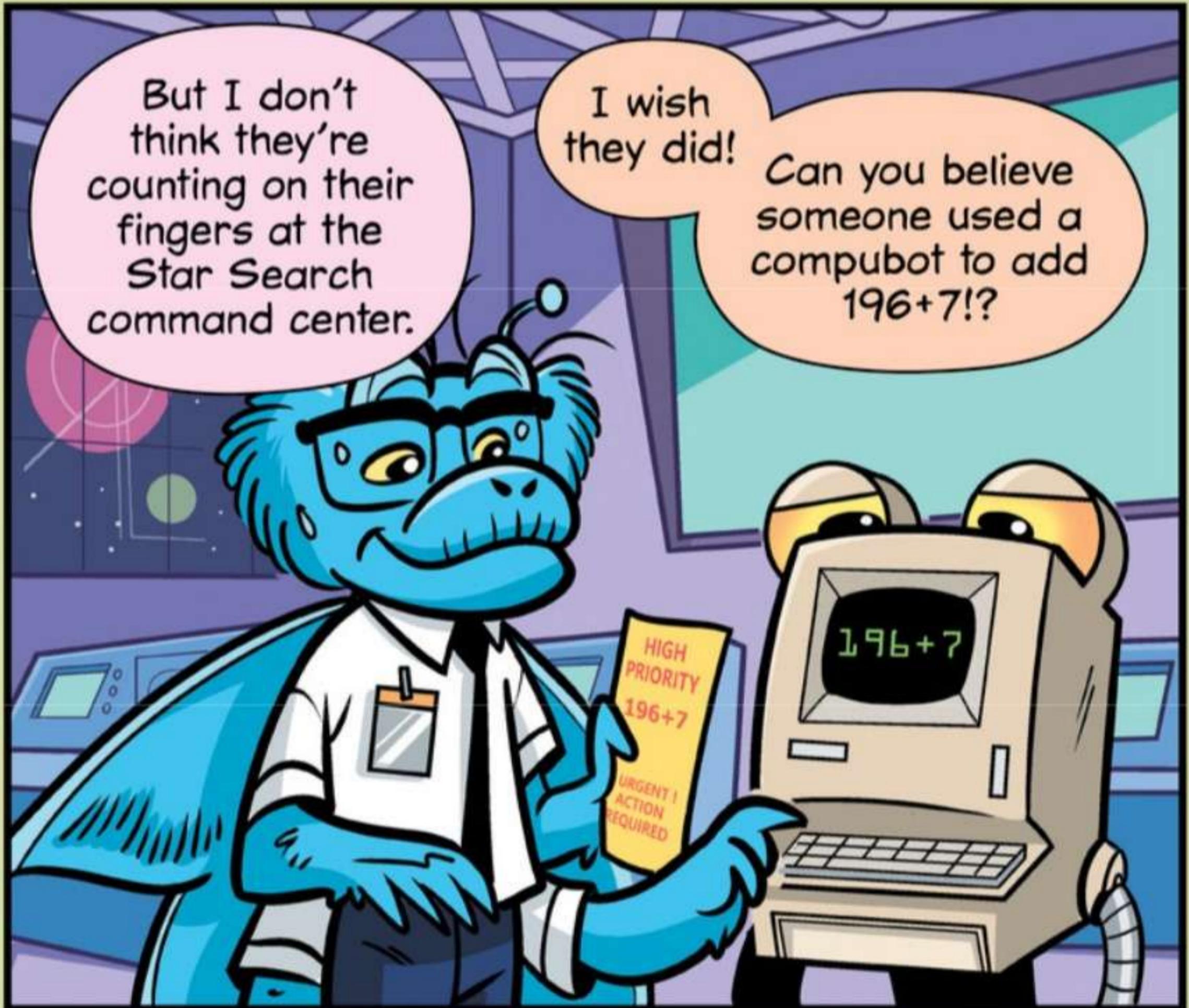
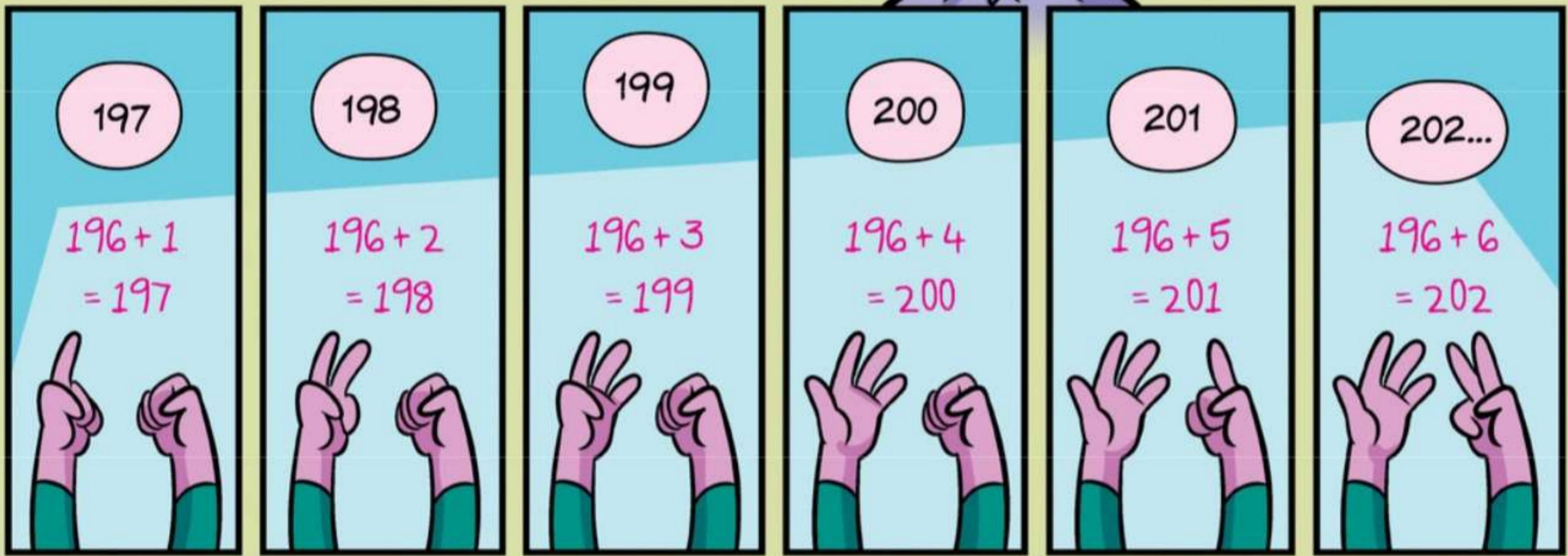
And if there were any changes, we needed to know about them.

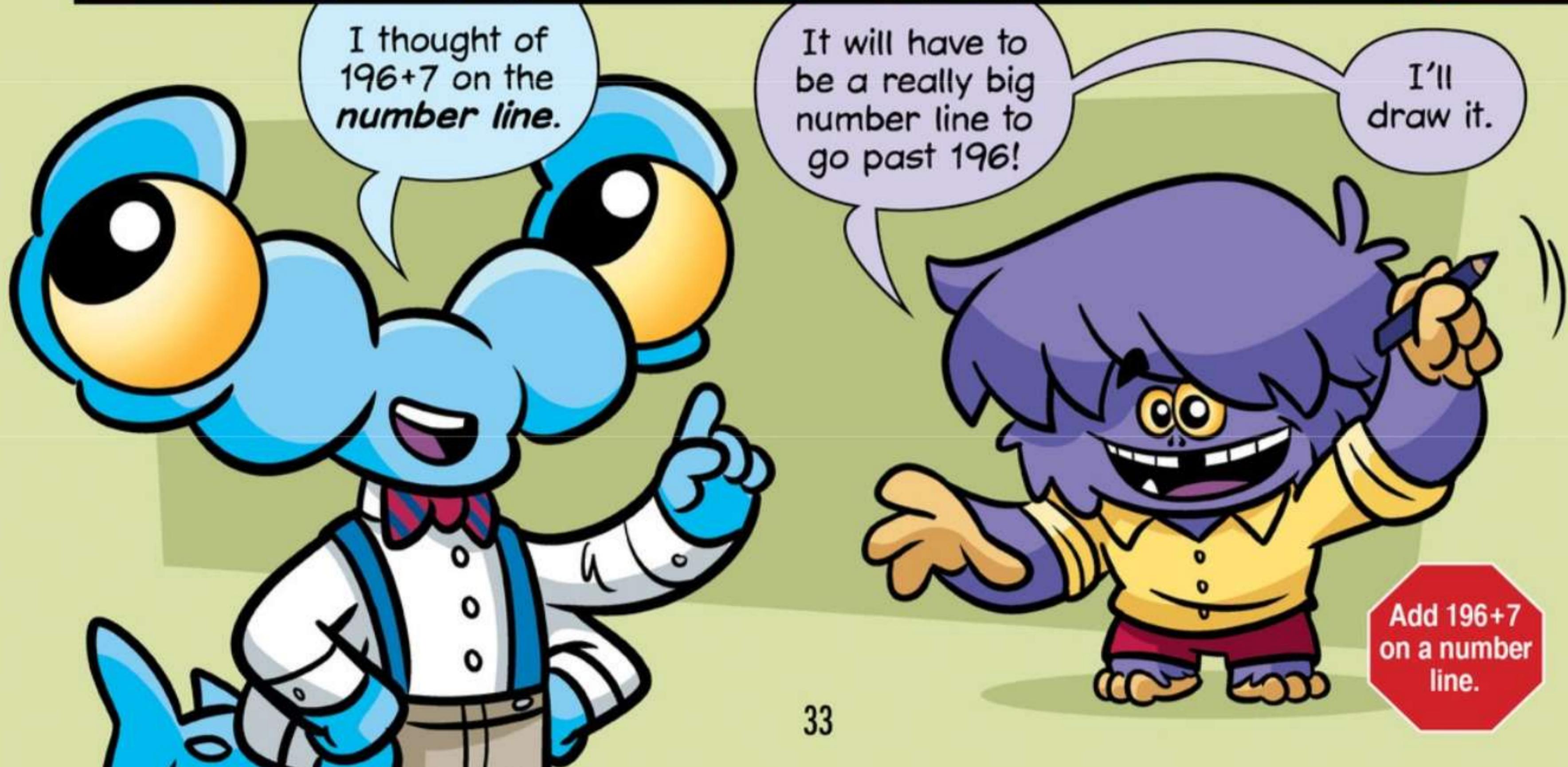
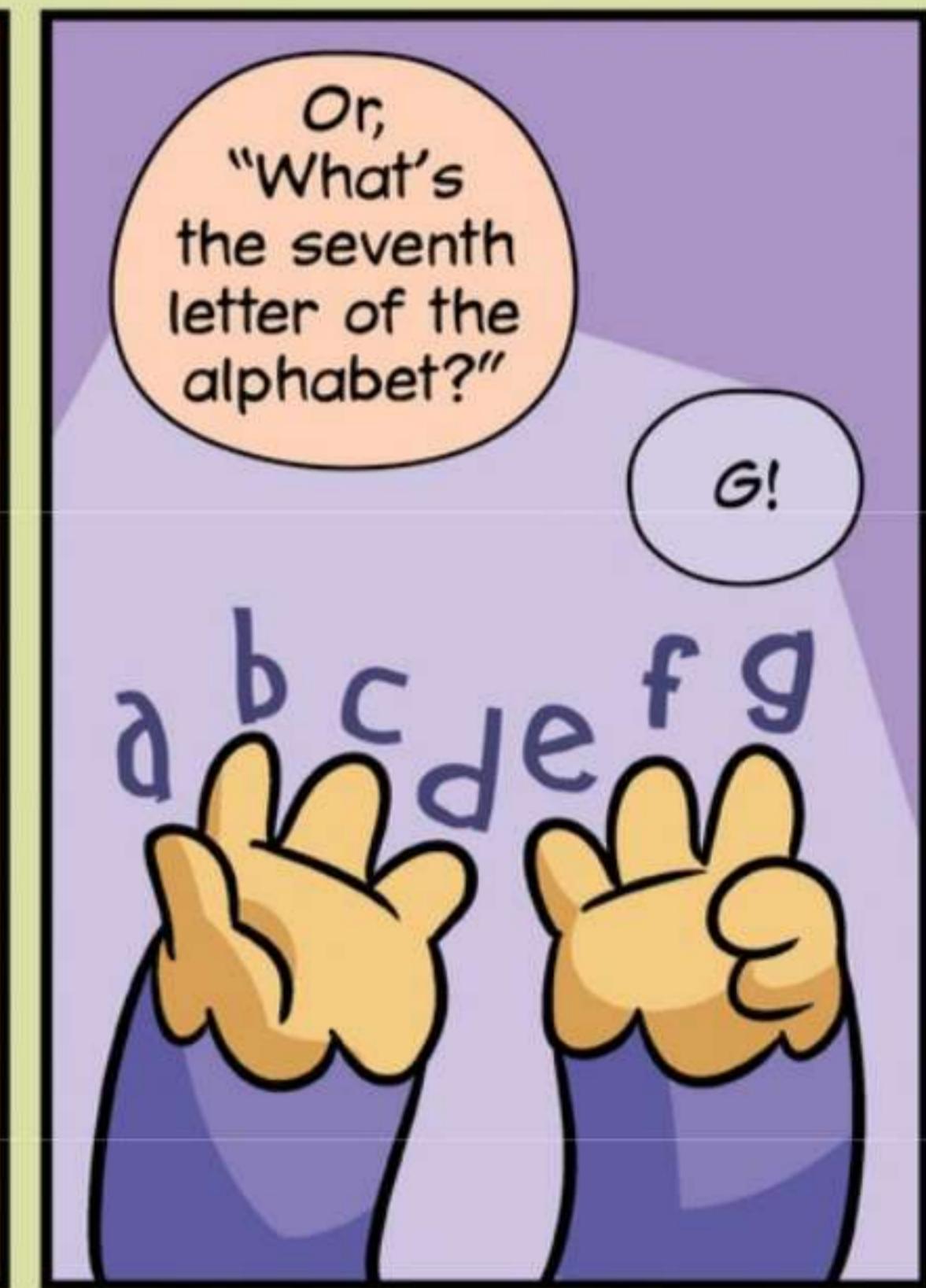
On one flight, we planned to send 196 meal packs...

...but the crew asked for 7 extras.

What was the new total?

How many meals?





Wait,  
Grogg.

We don't  
need to  
see every  
number...

...just the  
ones that help  
us solve the  
problem.



196 is a  
little less  
than 200.

We can  
put those two  
numbers on  
the line.

196                  200



+4

To add  
196+7, we can  
start by adding  
4 to get from  
196 to 200.

196                  200



Then, to  
add a total  
of 7...

...we need to  
add 3 more.

That  
gives us  
203.

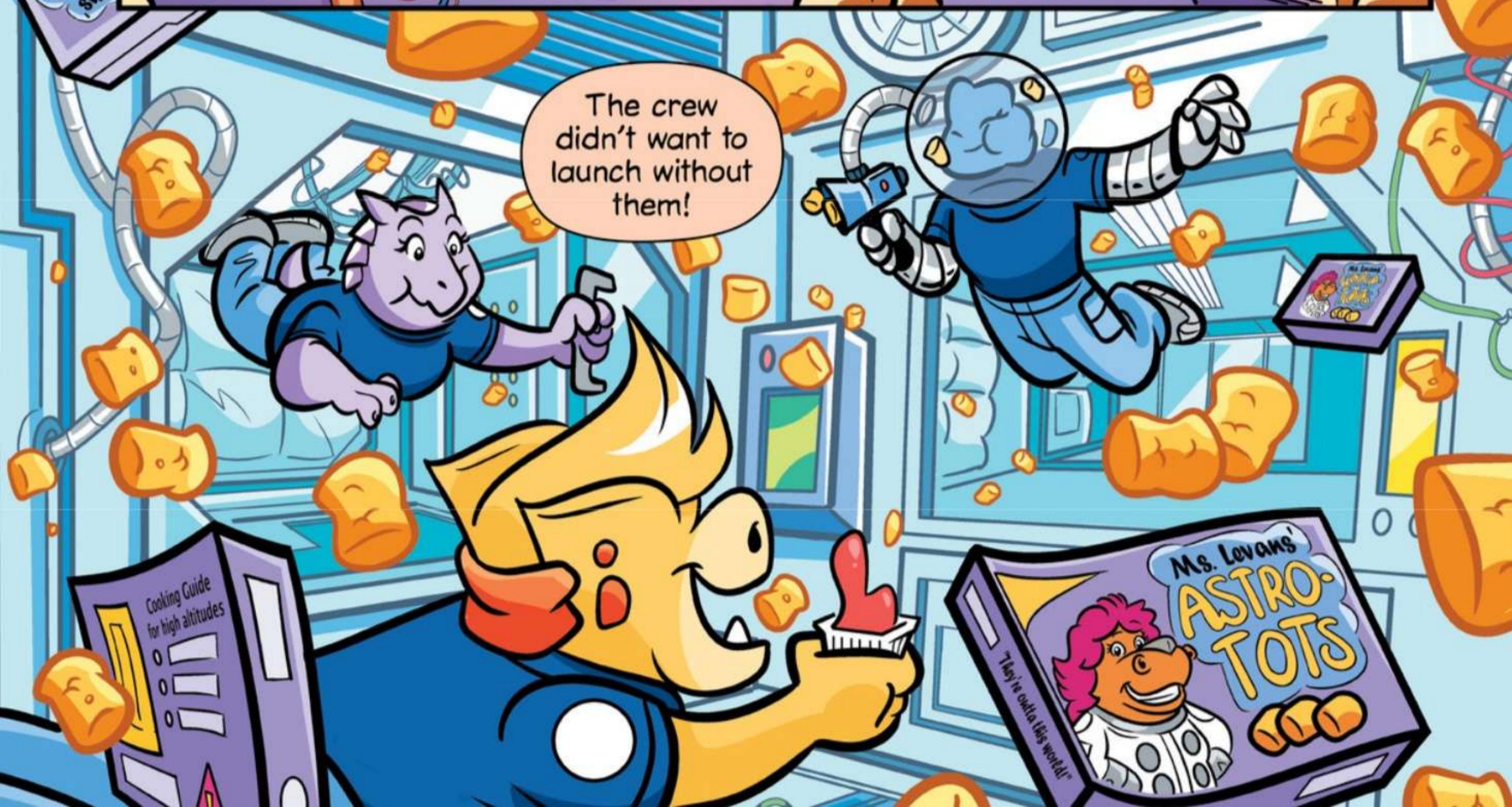
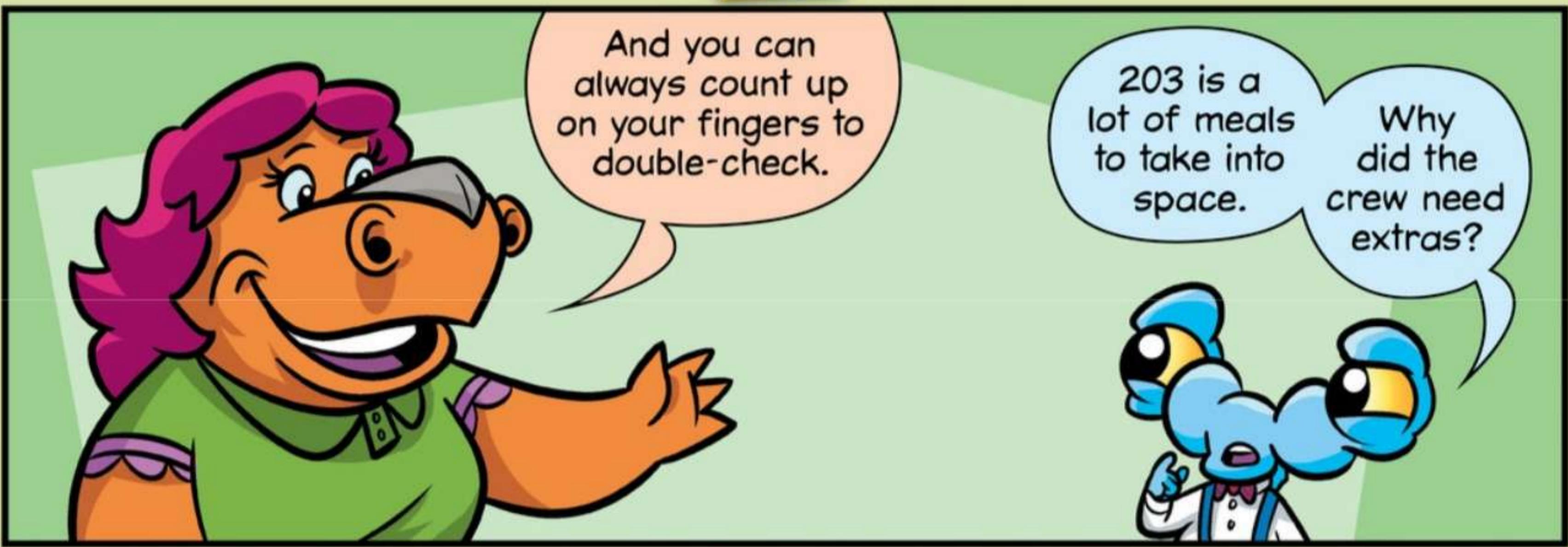
+4

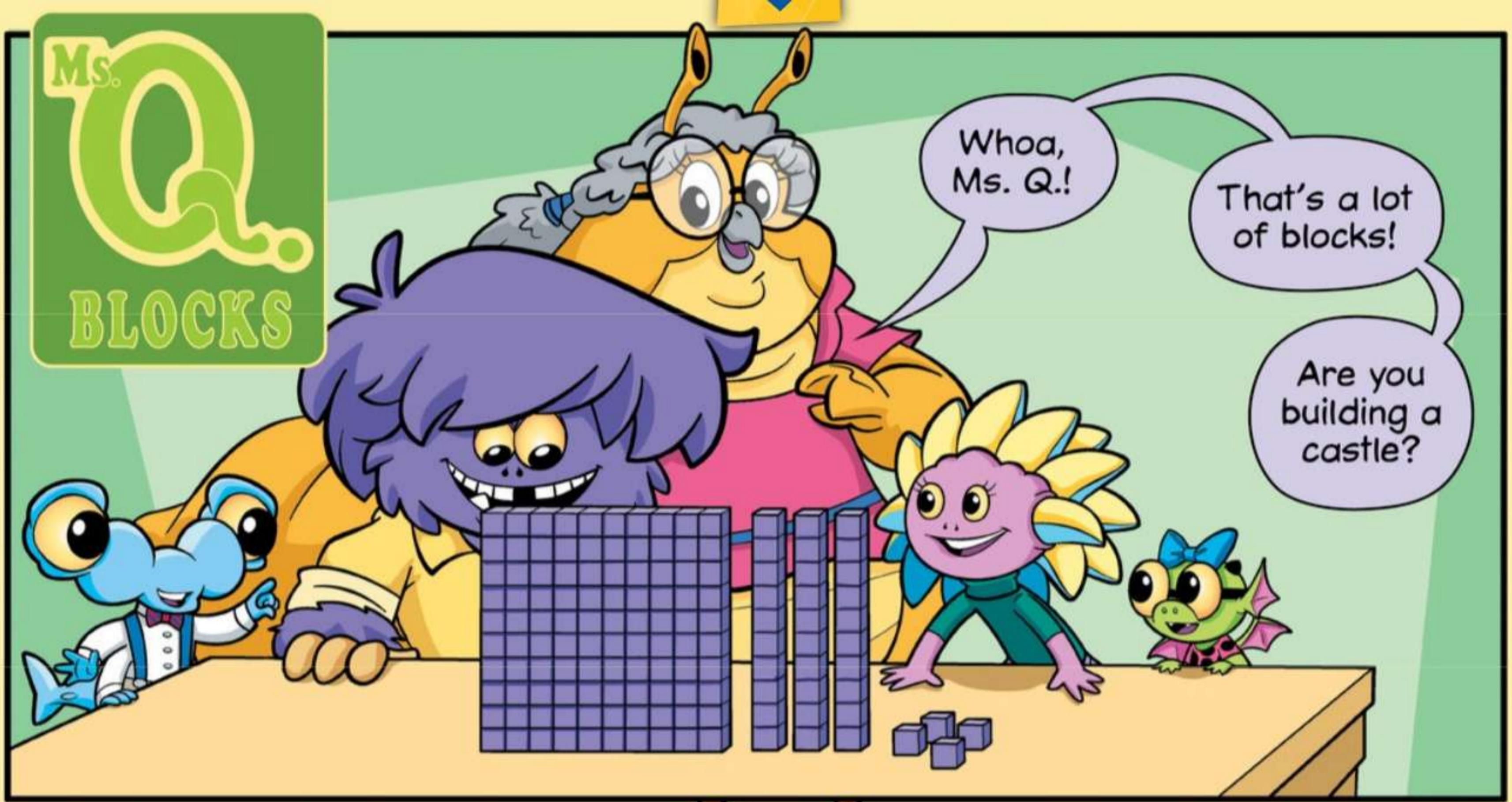
+3

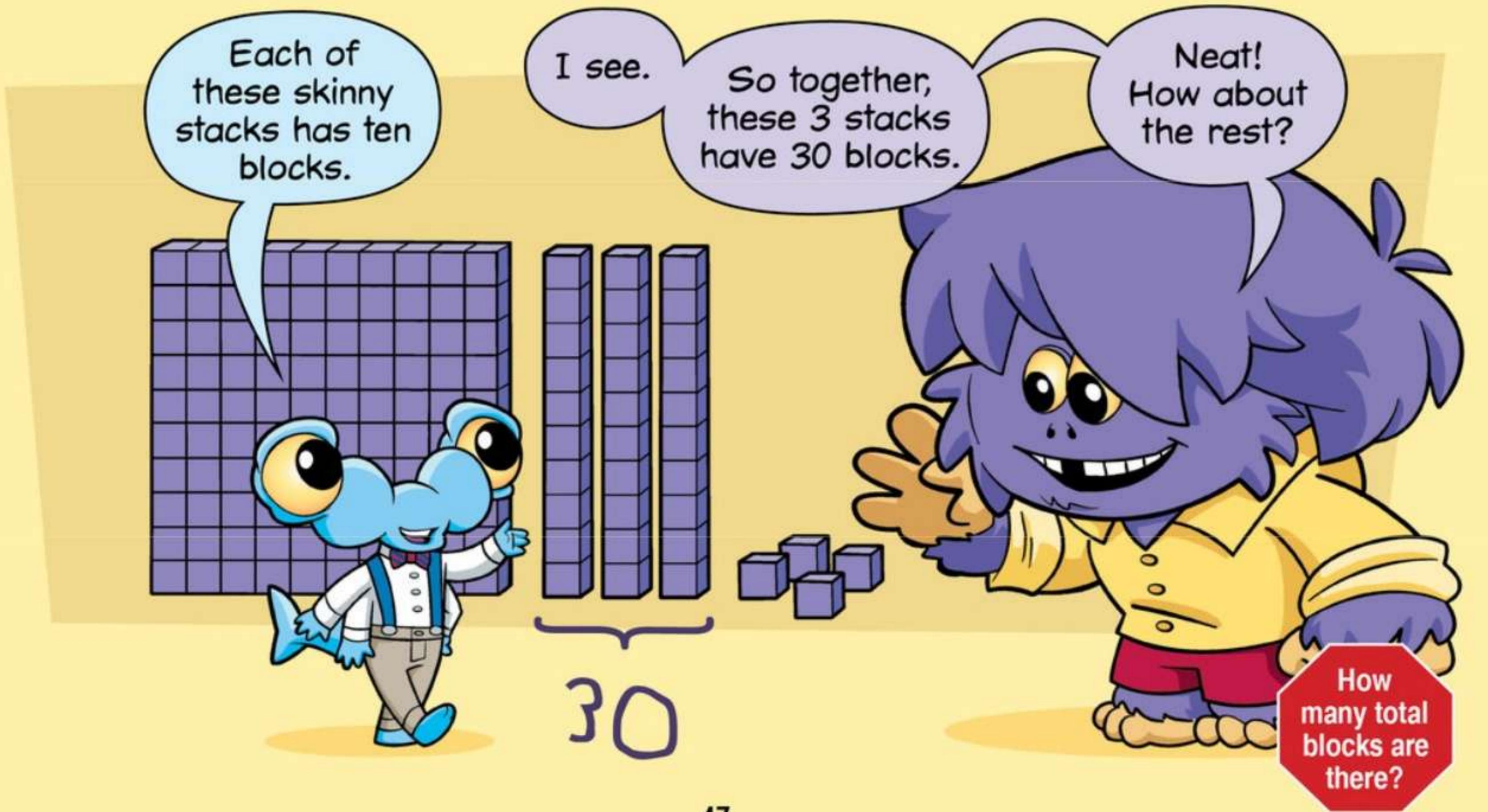
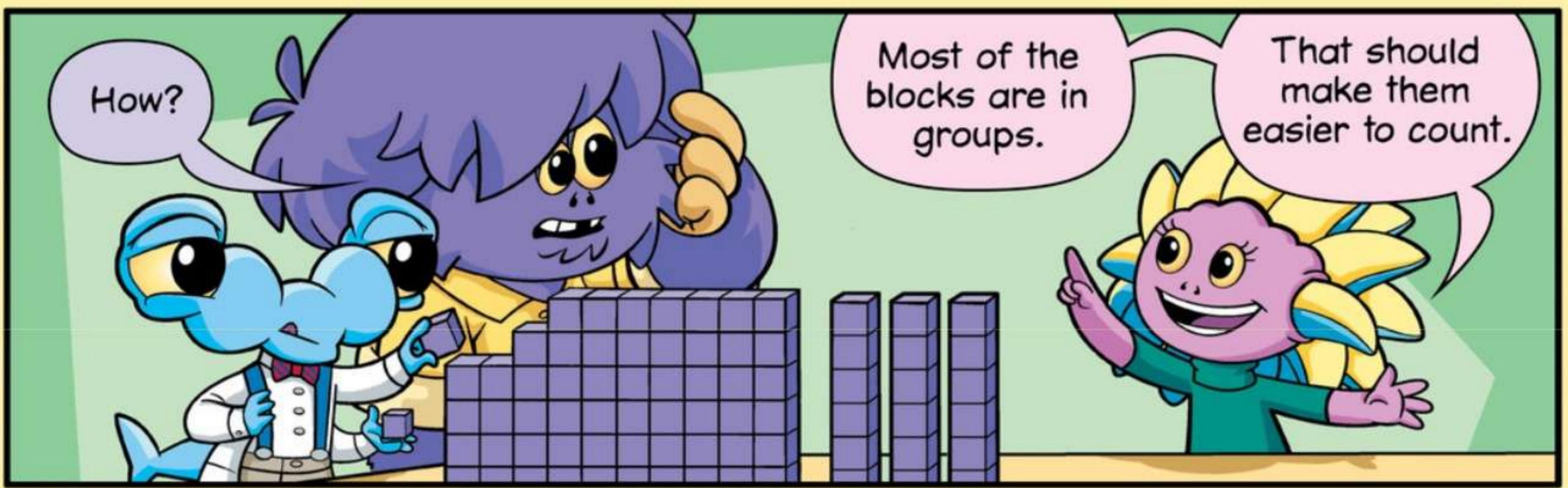
196

200

203



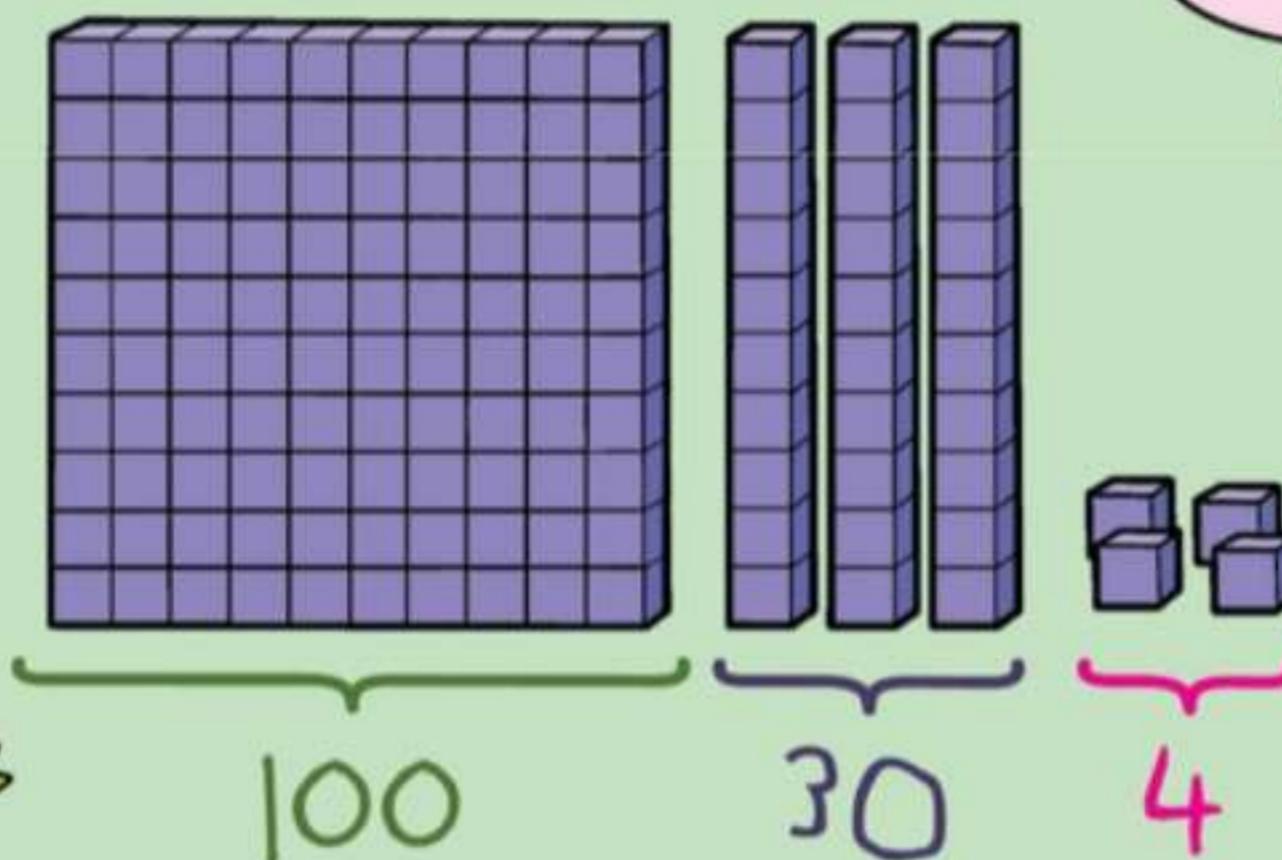




This big square is made with ten stacks of 10.

Ten 10's is 100 blocks.

And there are 4 more over here.



Good.  
How many total blocks is that?

$$100 + 30 + 4 \text{ is } 134.$$

Winnie was right.

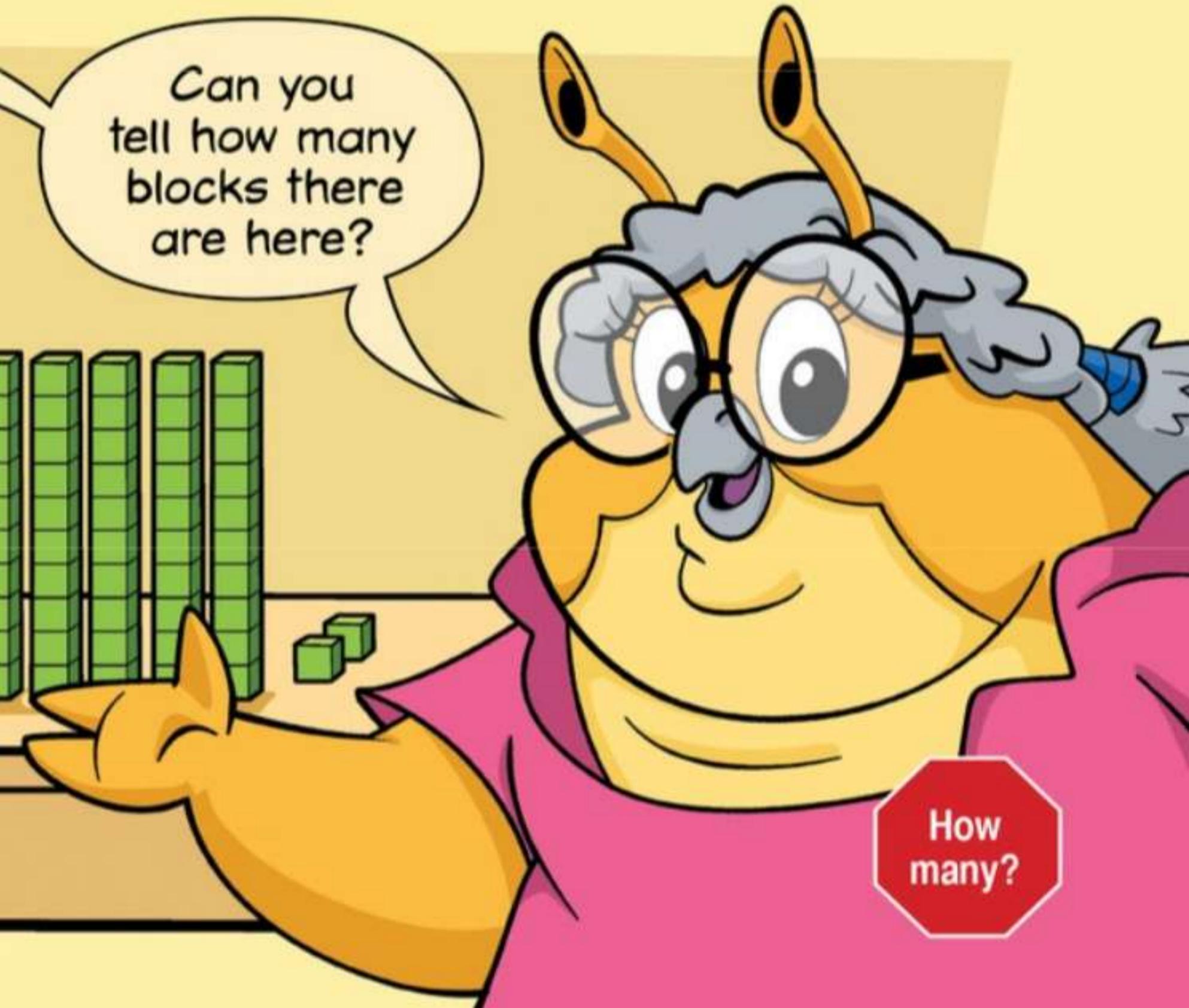
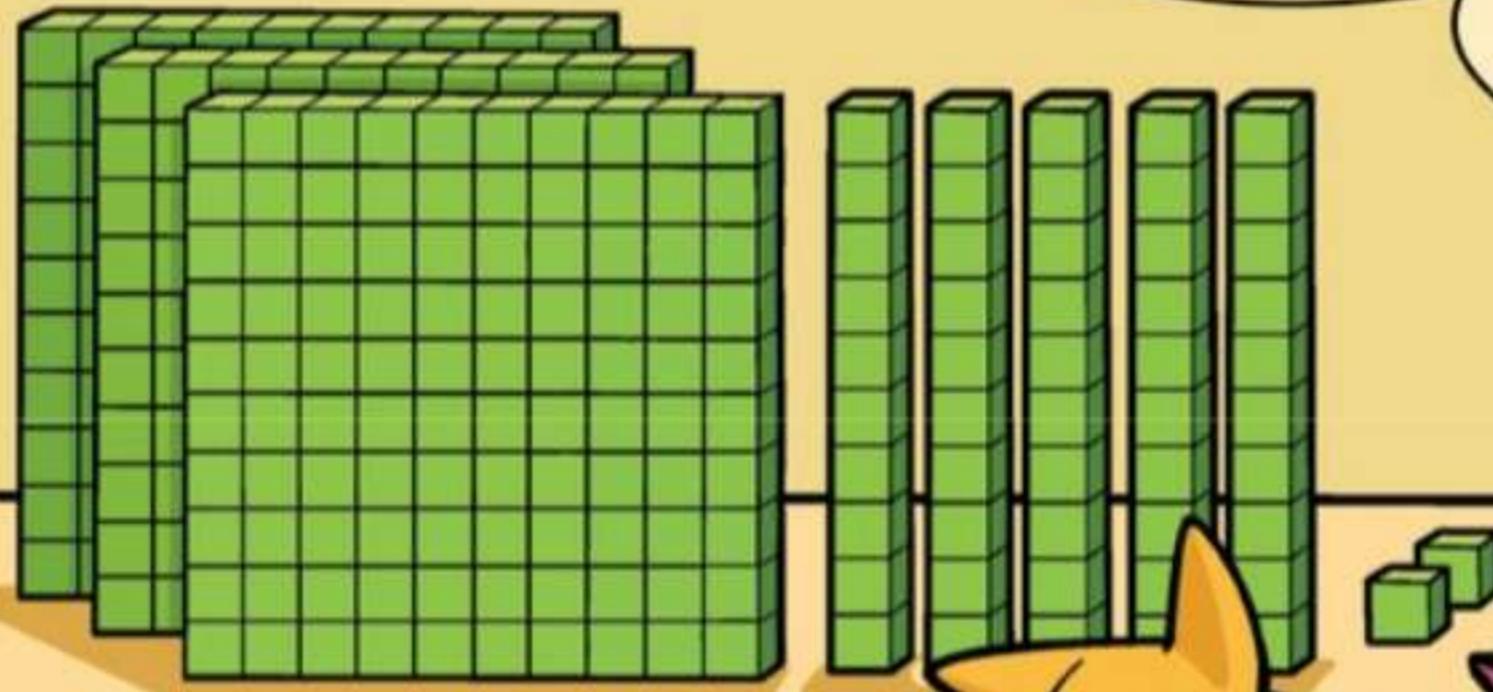
That was a lot easier than counting the blocks one by one.

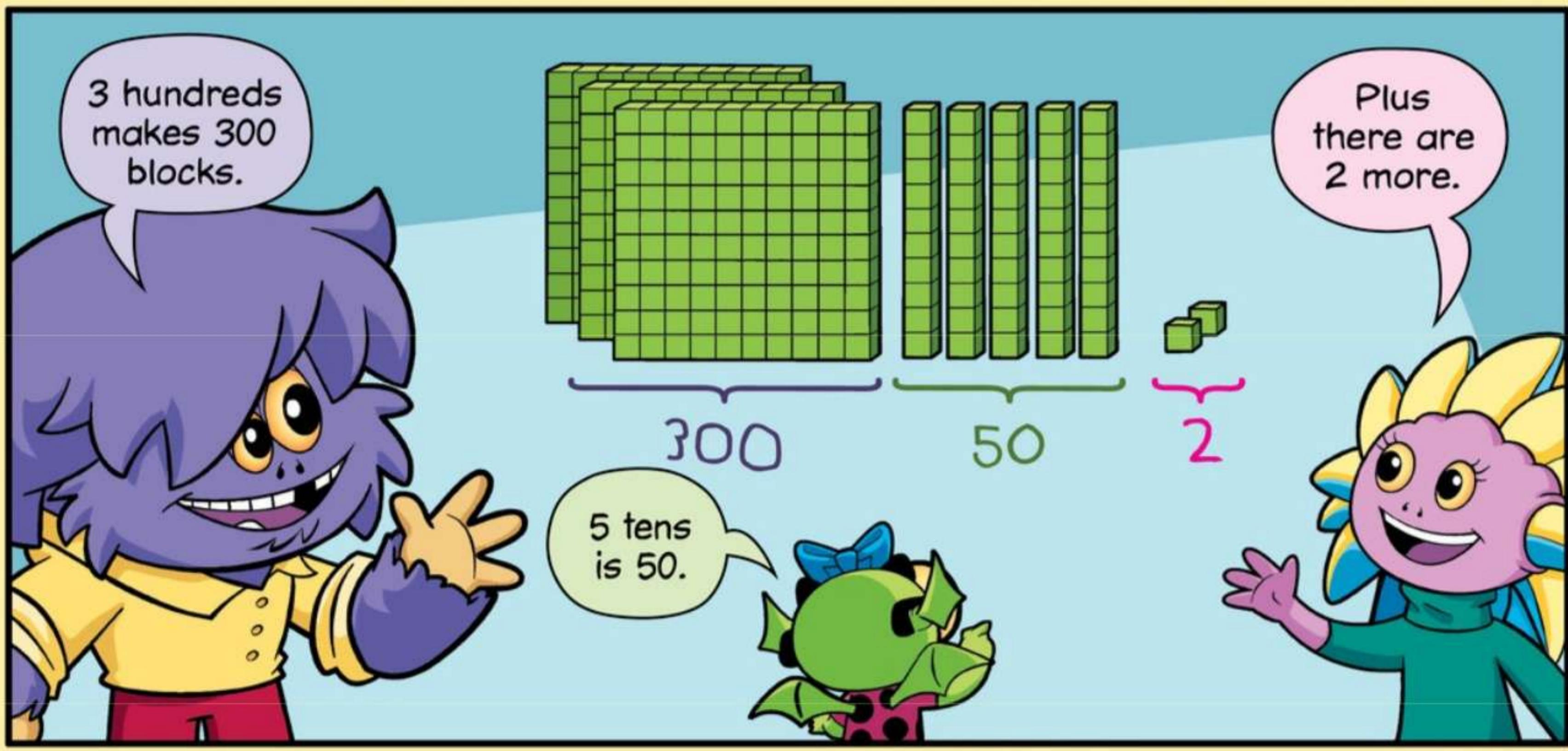
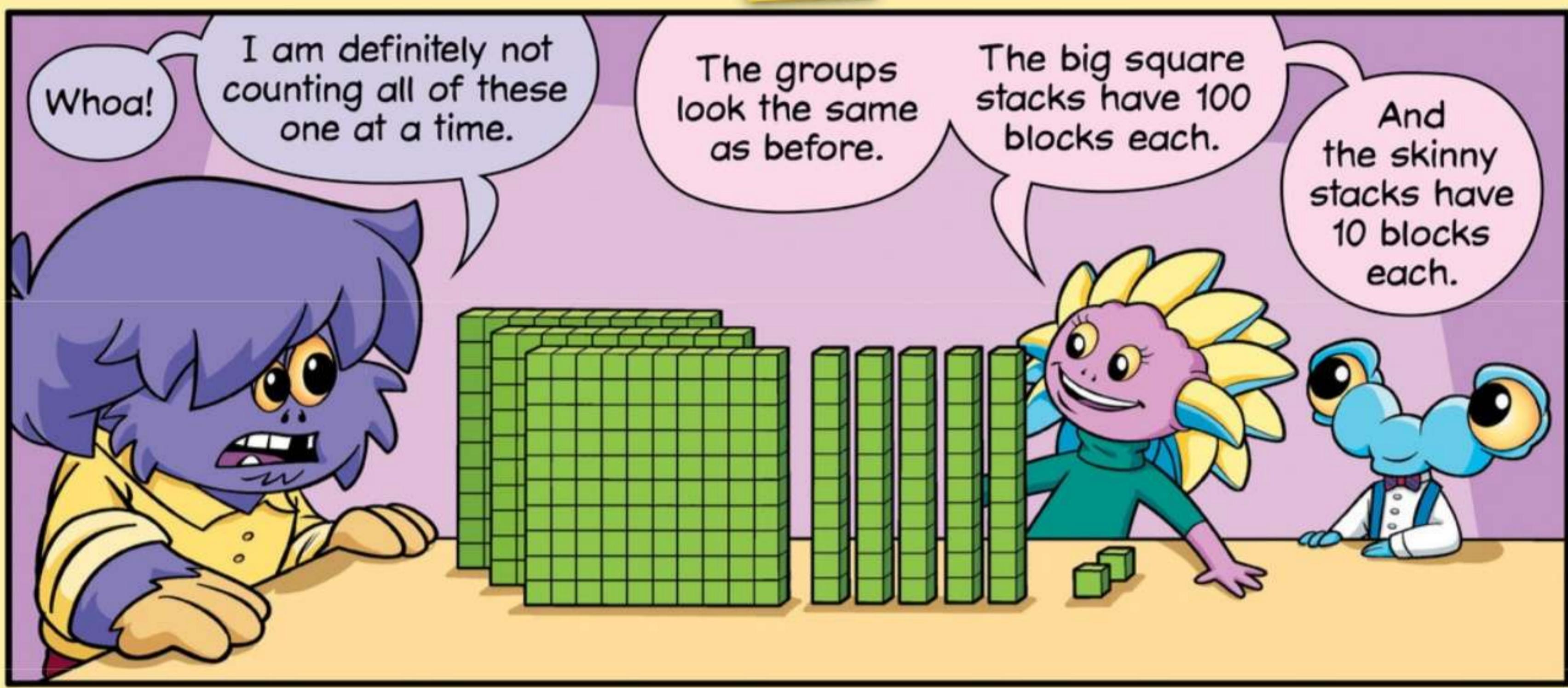


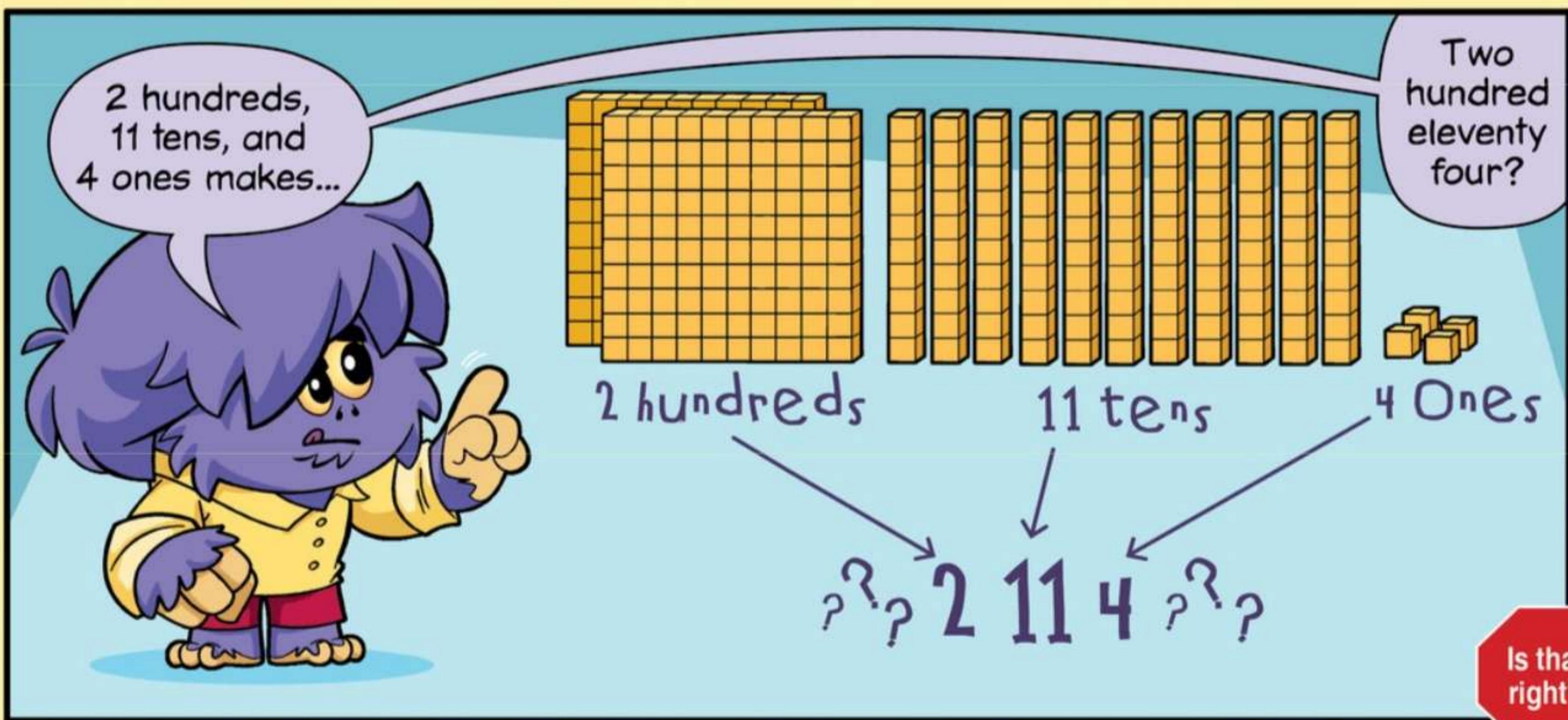
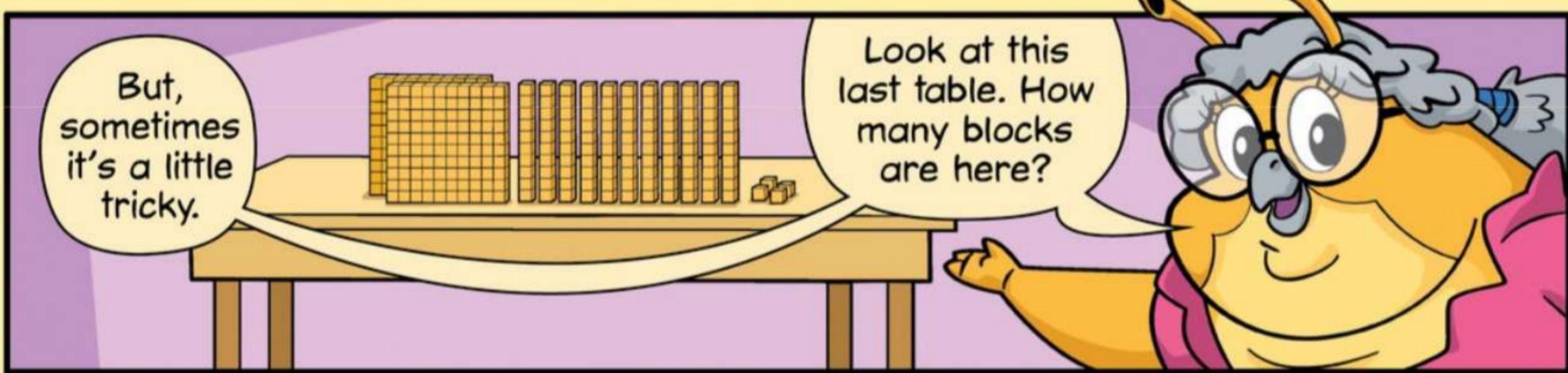
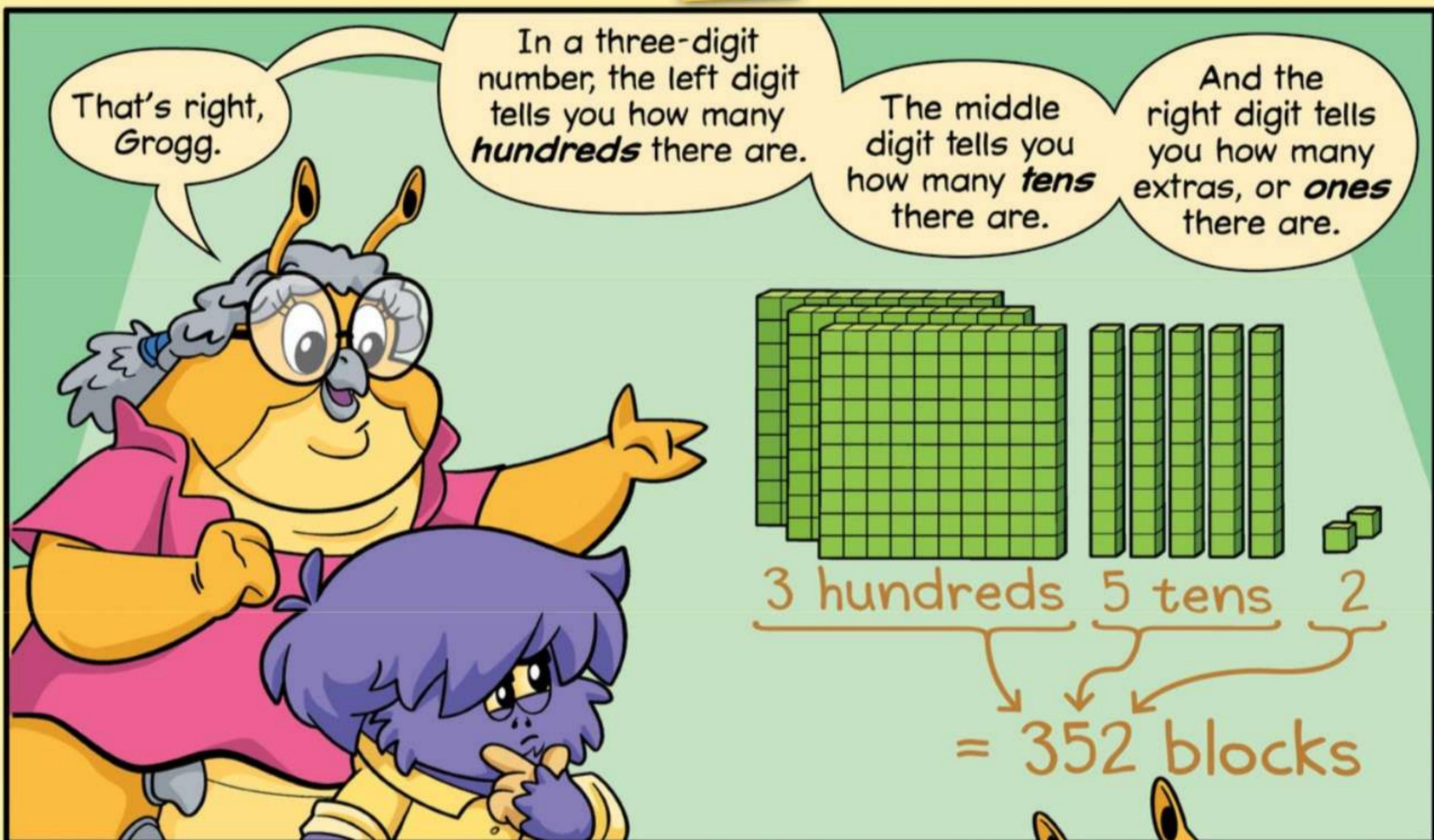
Yep!

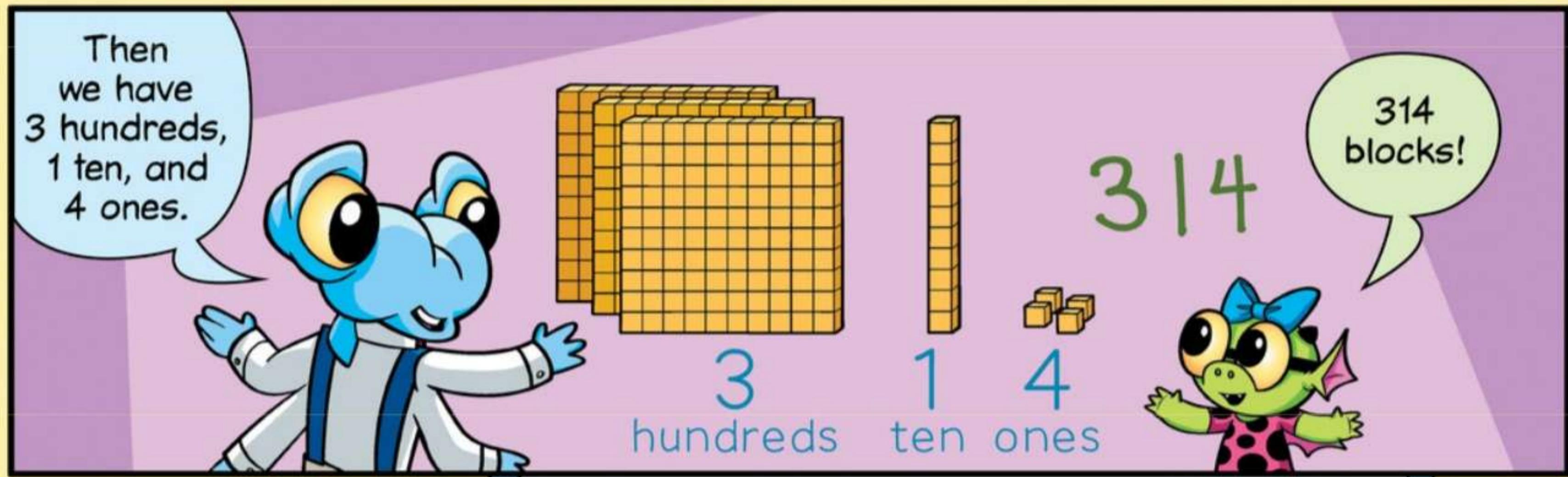
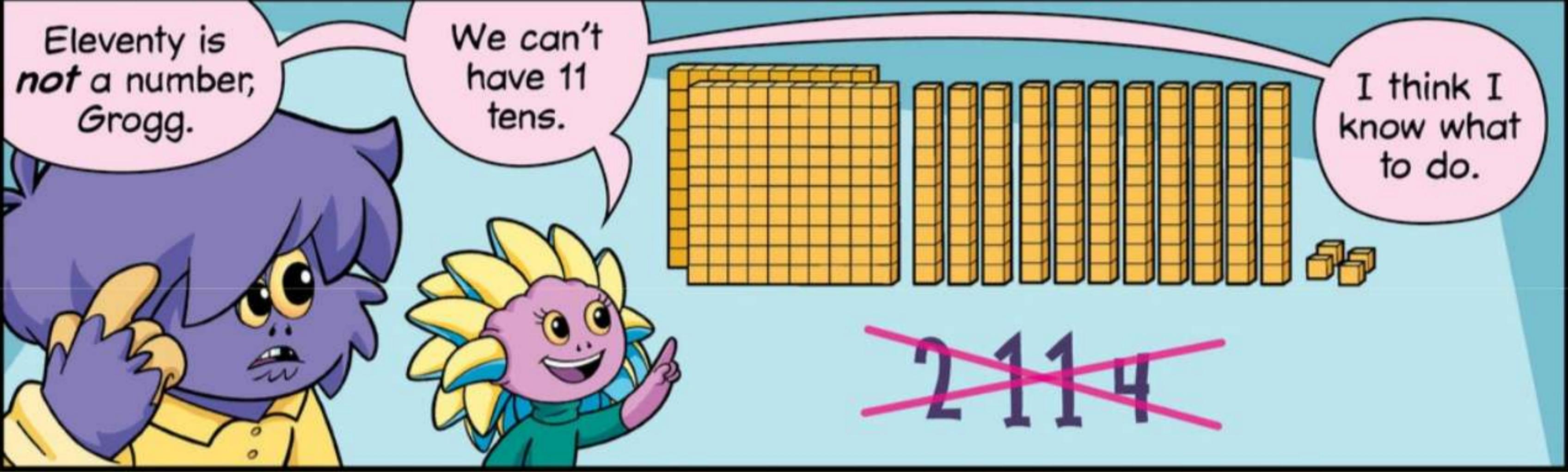
And there are even more blocks on this table.

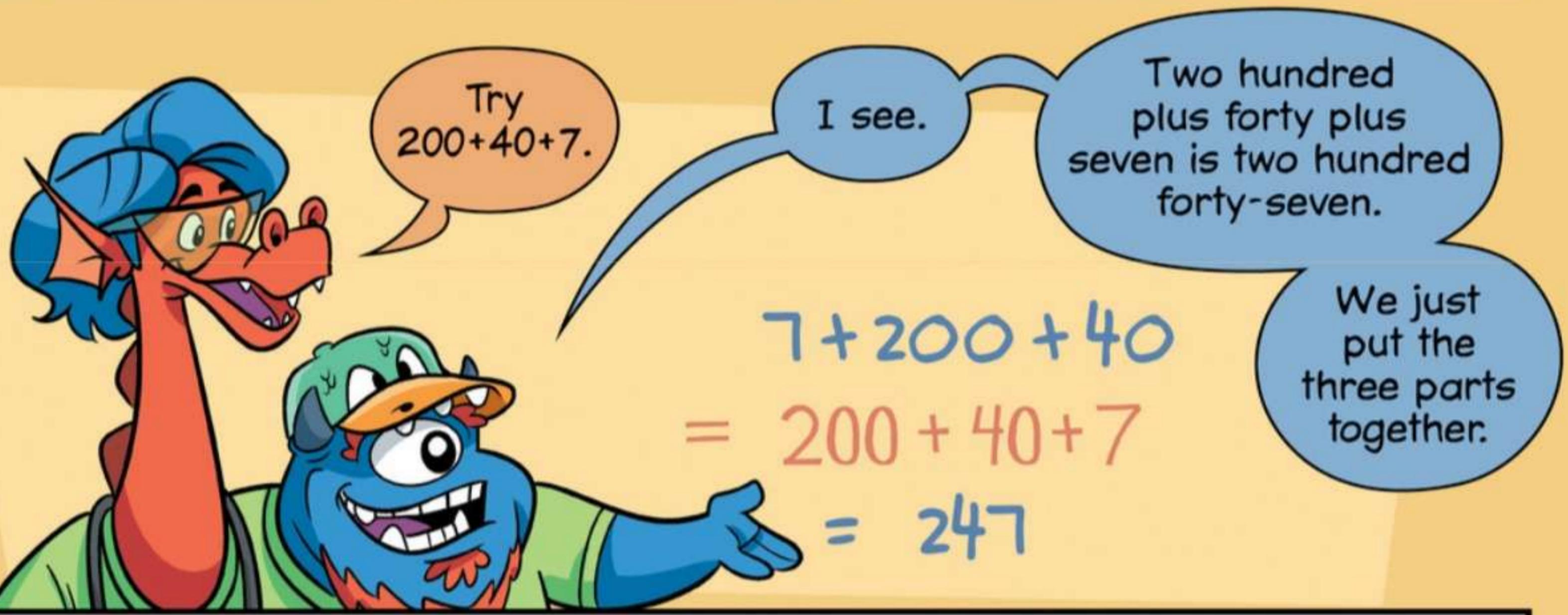
Can you tell how many blocks there are here?





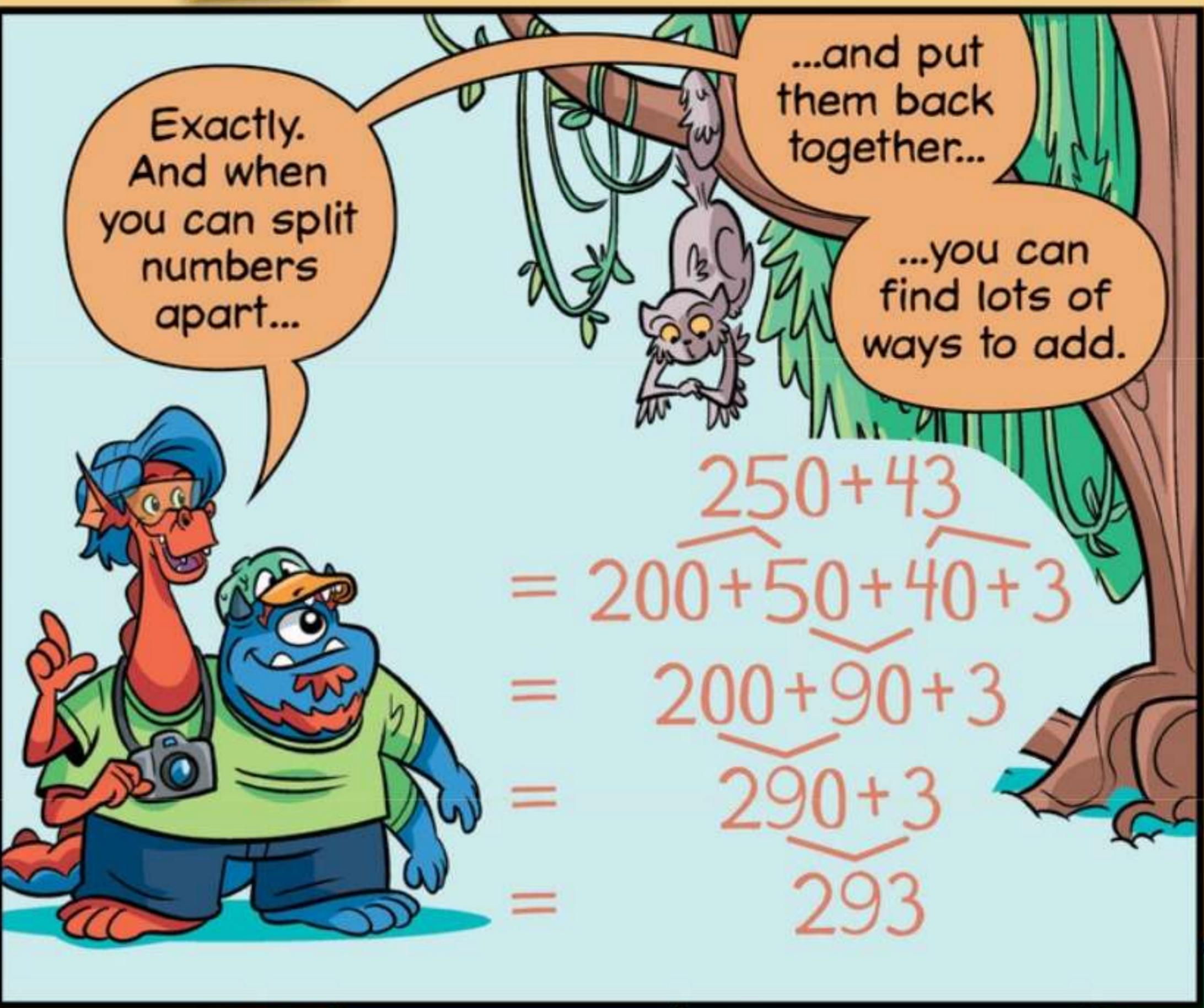






WE CAN REARRANGE NUMBERS IN ADDITION WITHOUT CHANGING THEIR SUM.





$$\begin{aligned} & 250 + 43 \\ &= \underline{200} + \underline{50} + \underline{40} + 3 \\ &= \underline{200} + \underline{90} + 3 \\ &= \underline{\underline{290}} + 3 \\ &= \underline{\underline{293}} \end{aligned}$$

