

Contents: Chapter 3



One for One

124

Are there more X's or O's in the row of letters below? How can you tell without counting?

XOXOXOXOXOXOXOXOXOXOXOXOXOXOXOXOX



More or Less

142

How could you write "ten is more than nine" without writing any words at all?



Lengths

162

Draw two dots on a flat sheet of paper. Now, can you draw the shortest path a bug would walk to get from one dot to the other?



The Beginning

181

Do you think the little monsters would make a good math team?

Chapter 3:

Comparing

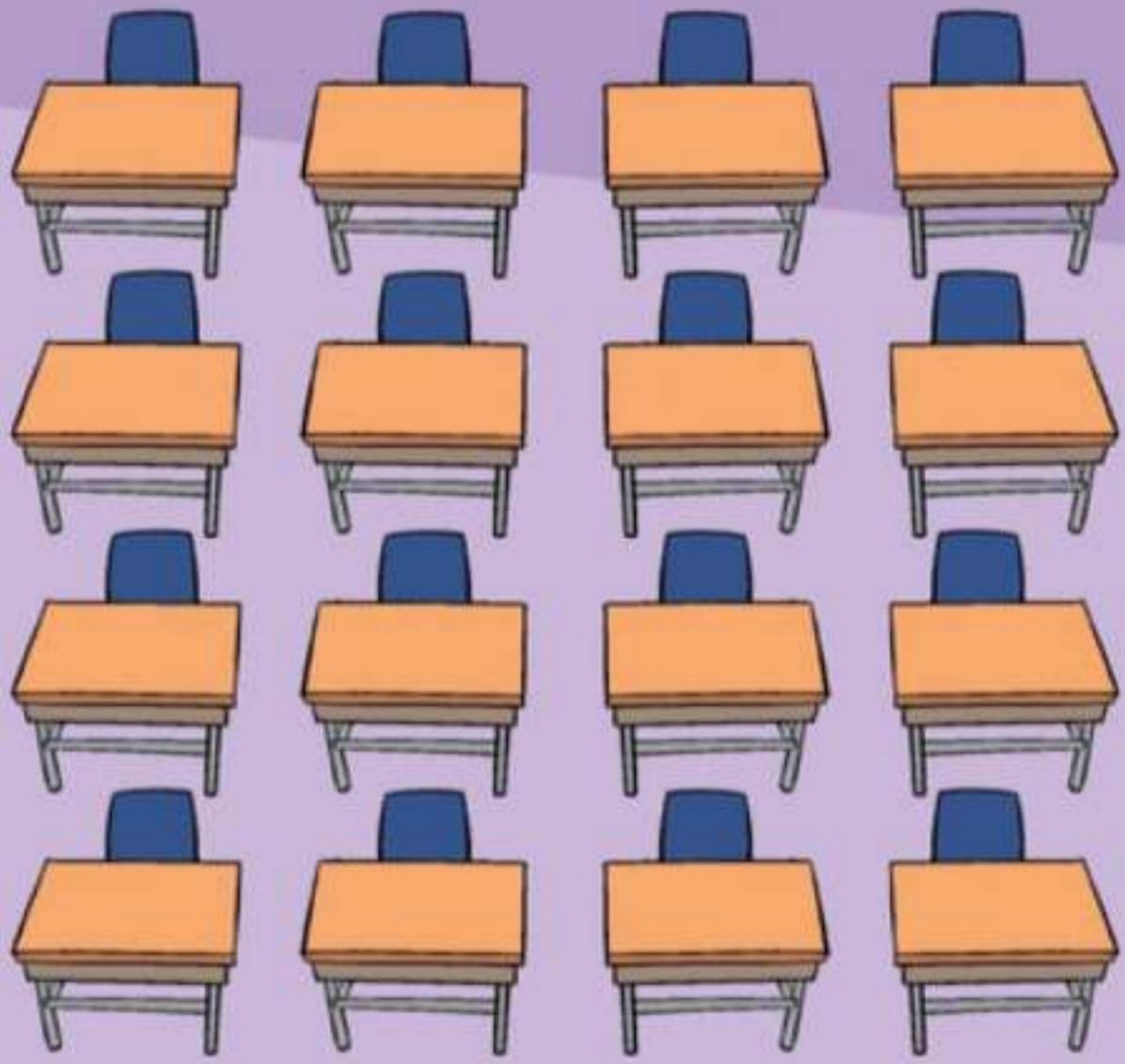




Since there's
1 student at
every desk...

...the number of
students matches the
number of desks...

...16!



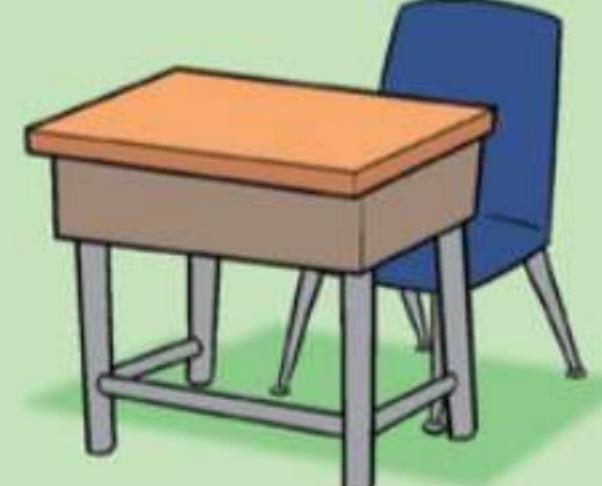
Very good,
Winnie.

When two
amounts are the
same, they're
called **equal**.

How would the
room look if the
numbers of desks
and students were
different?

If there were
more desks than
students...

...some
desks would
be empty.

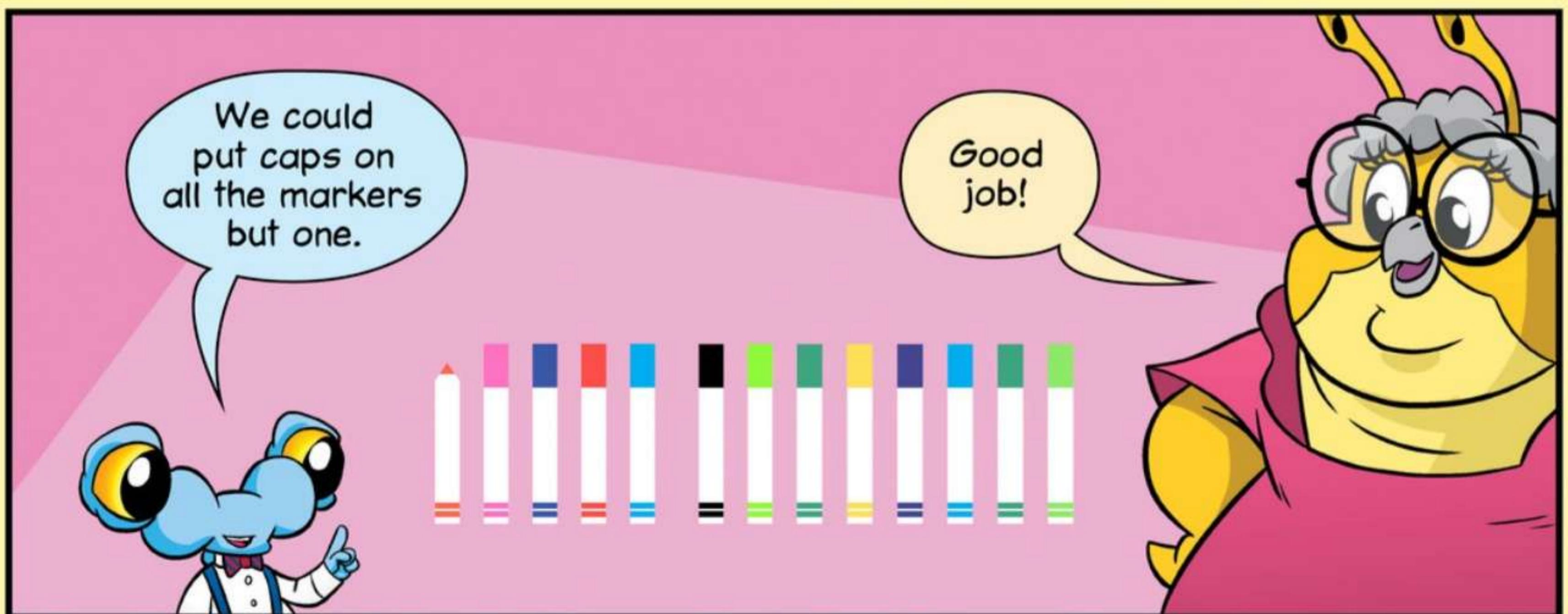
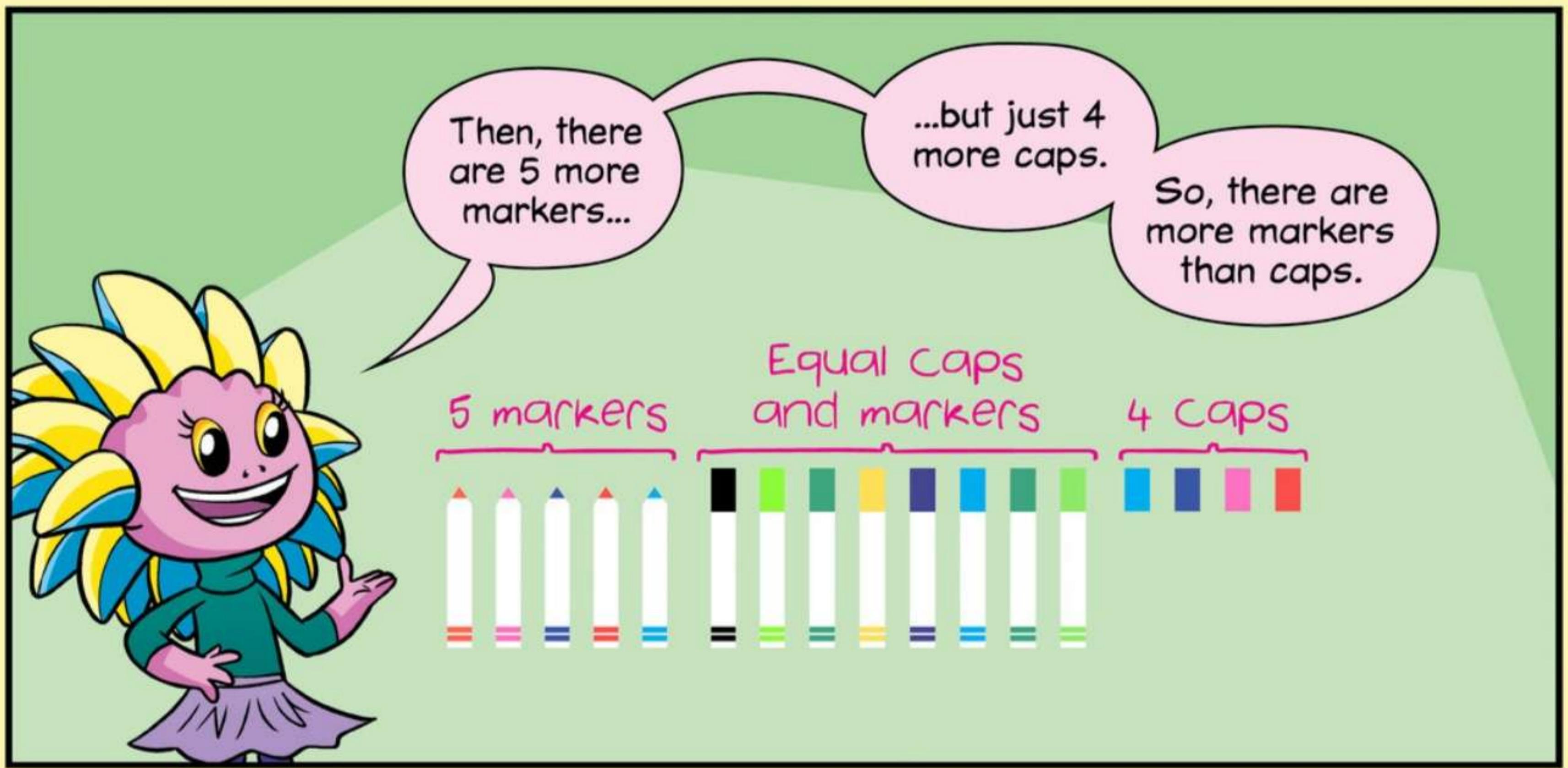


And if there
were more
students than
desks...

...some students
would be left
standing.







To compare two amounts, we can ignore parts that are equal.

One way to do this is to try to match every item in one group...



...with
an item in
the other
group.

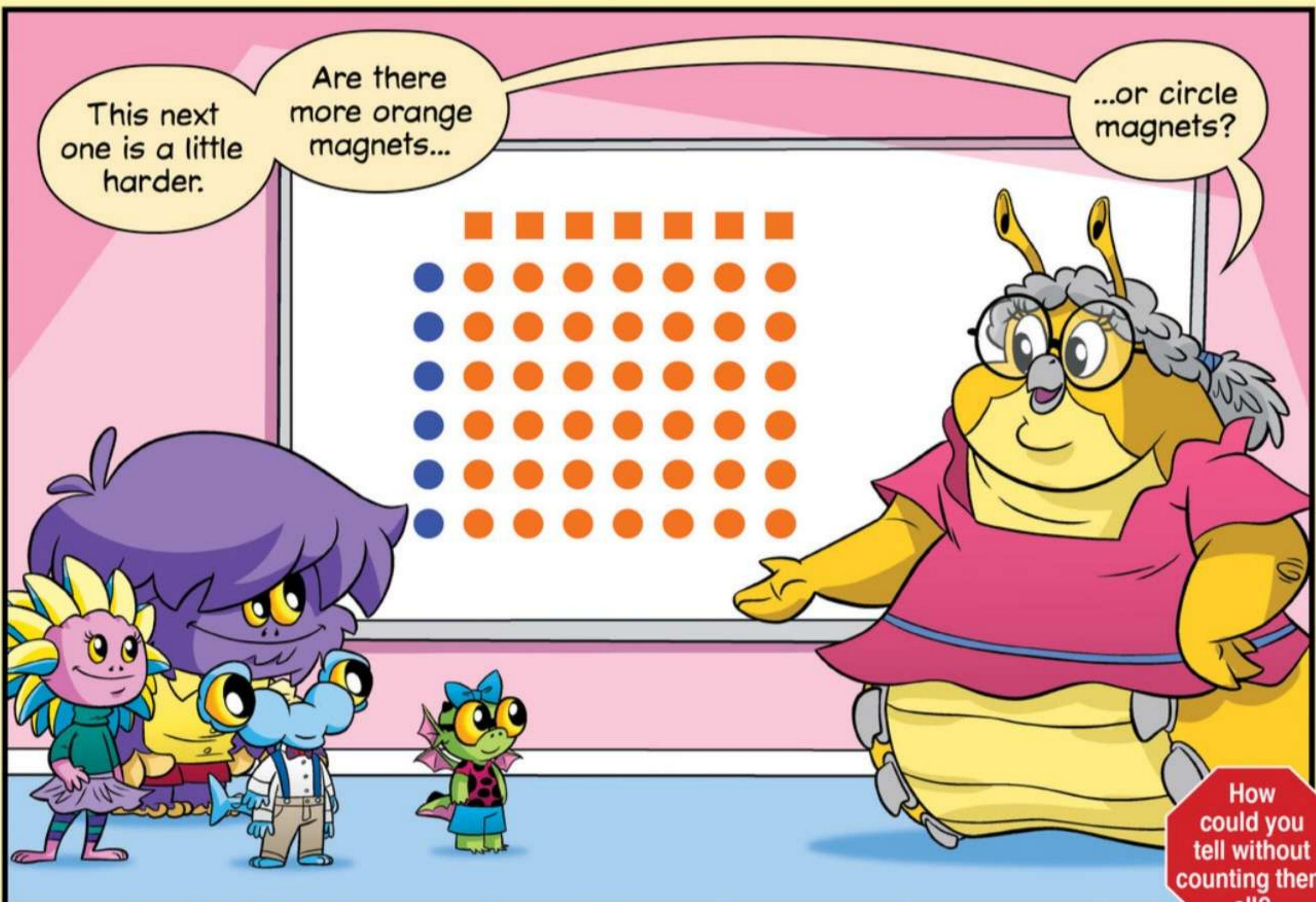
Like matching students at desks, or markers with caps.



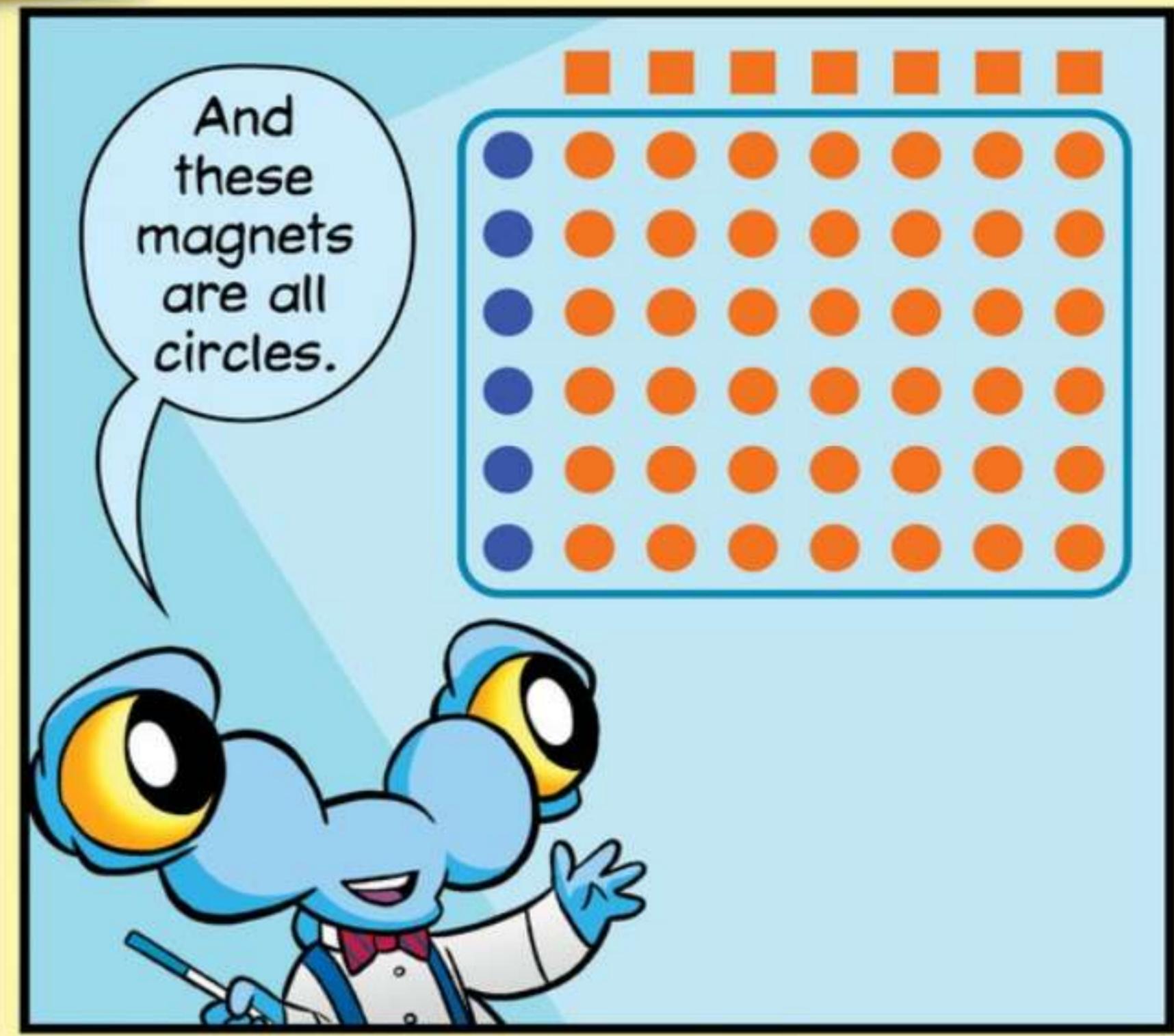
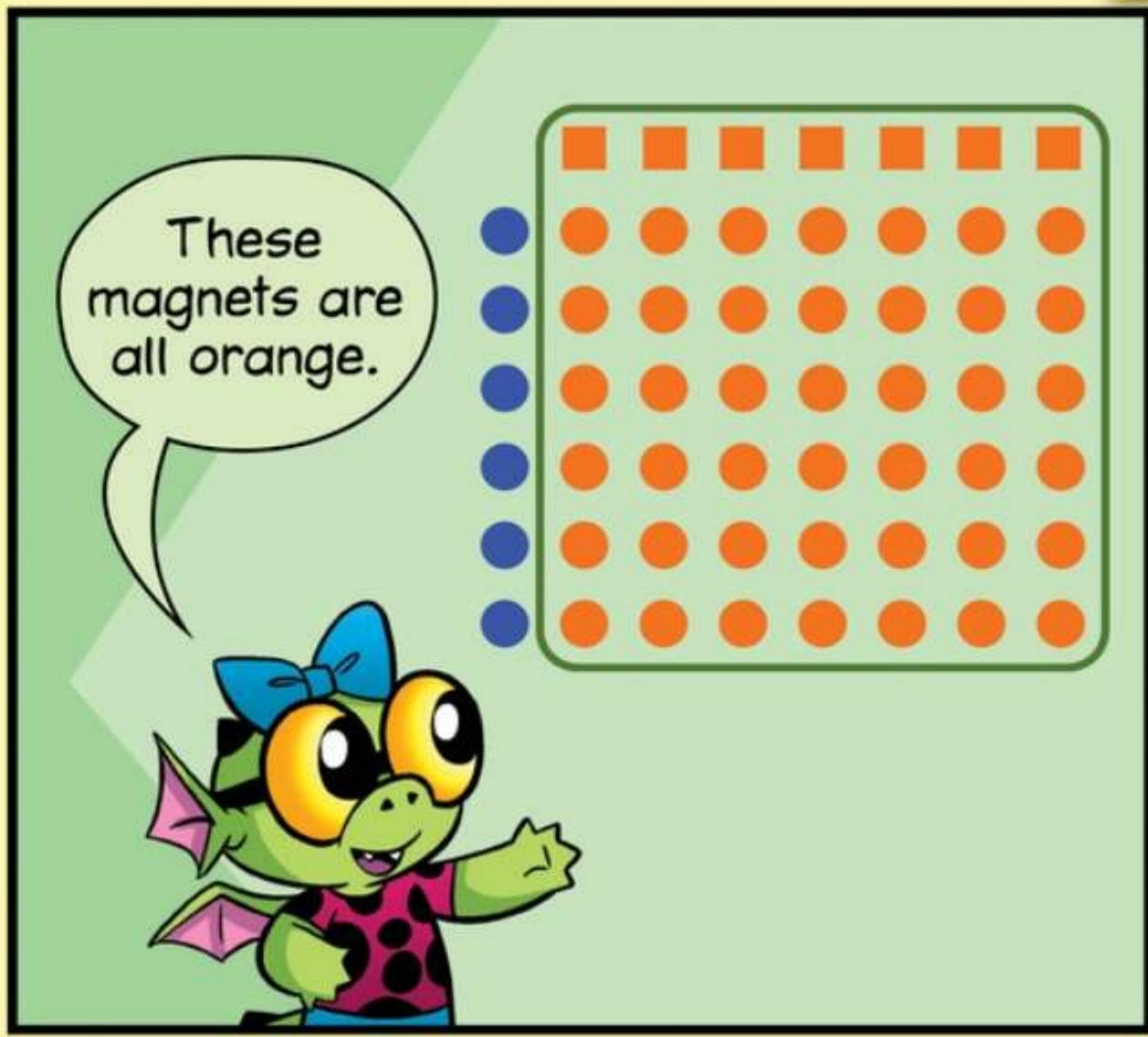
This next one is a little harder.

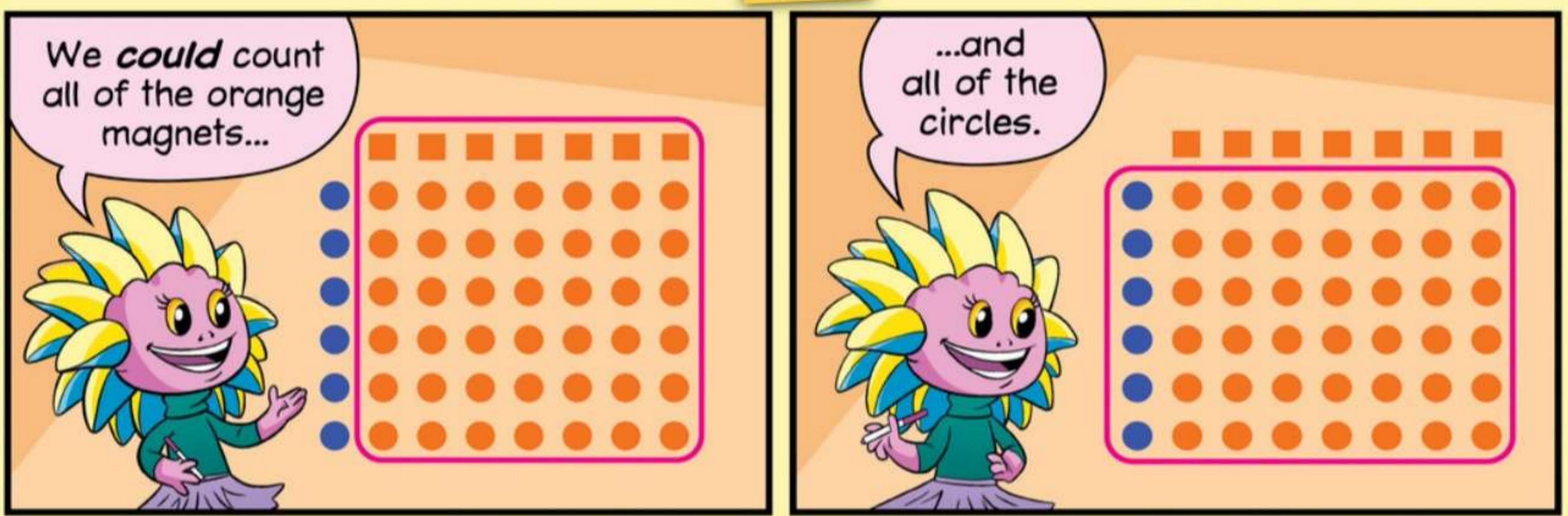
Are there
more orange
magnets...

...or circle
magnets?



How could you tell without counting them all?





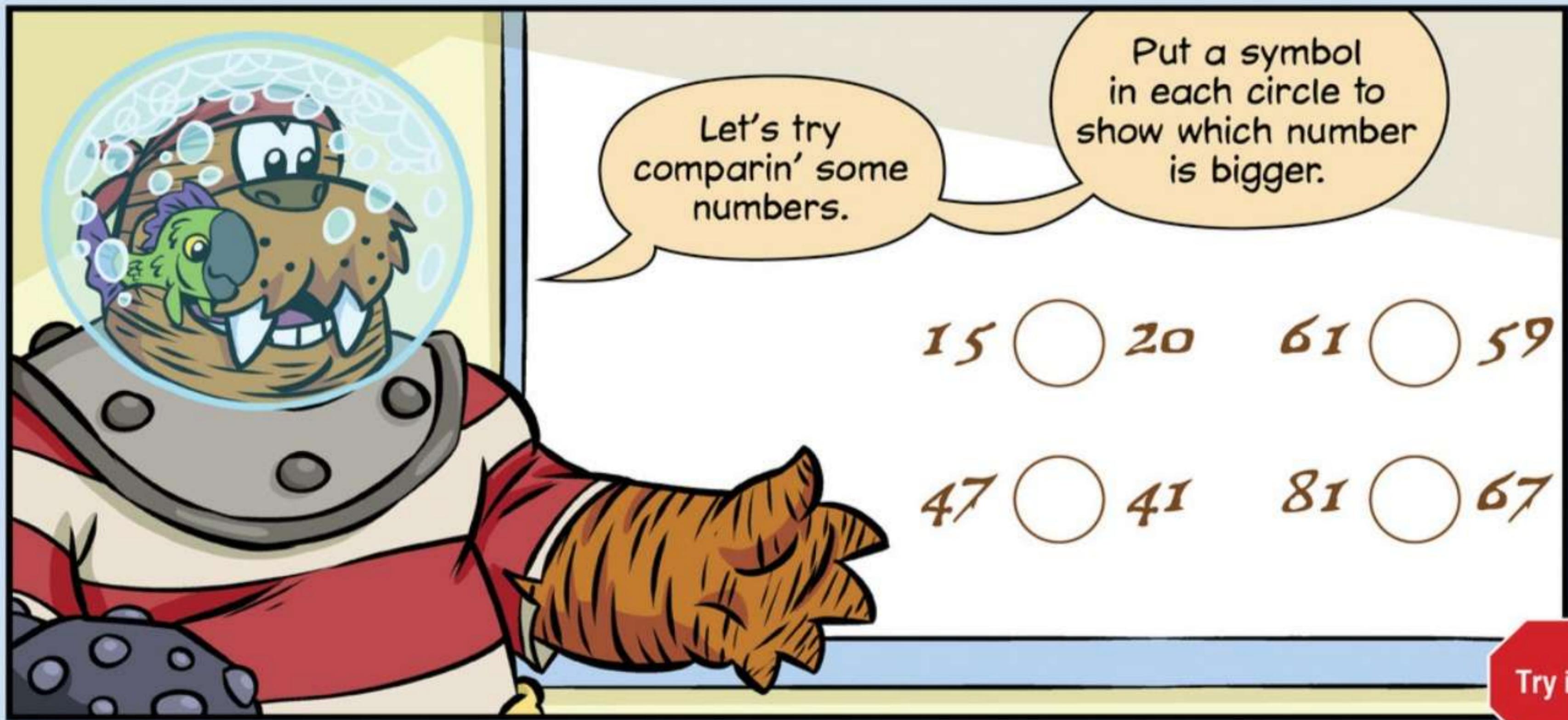
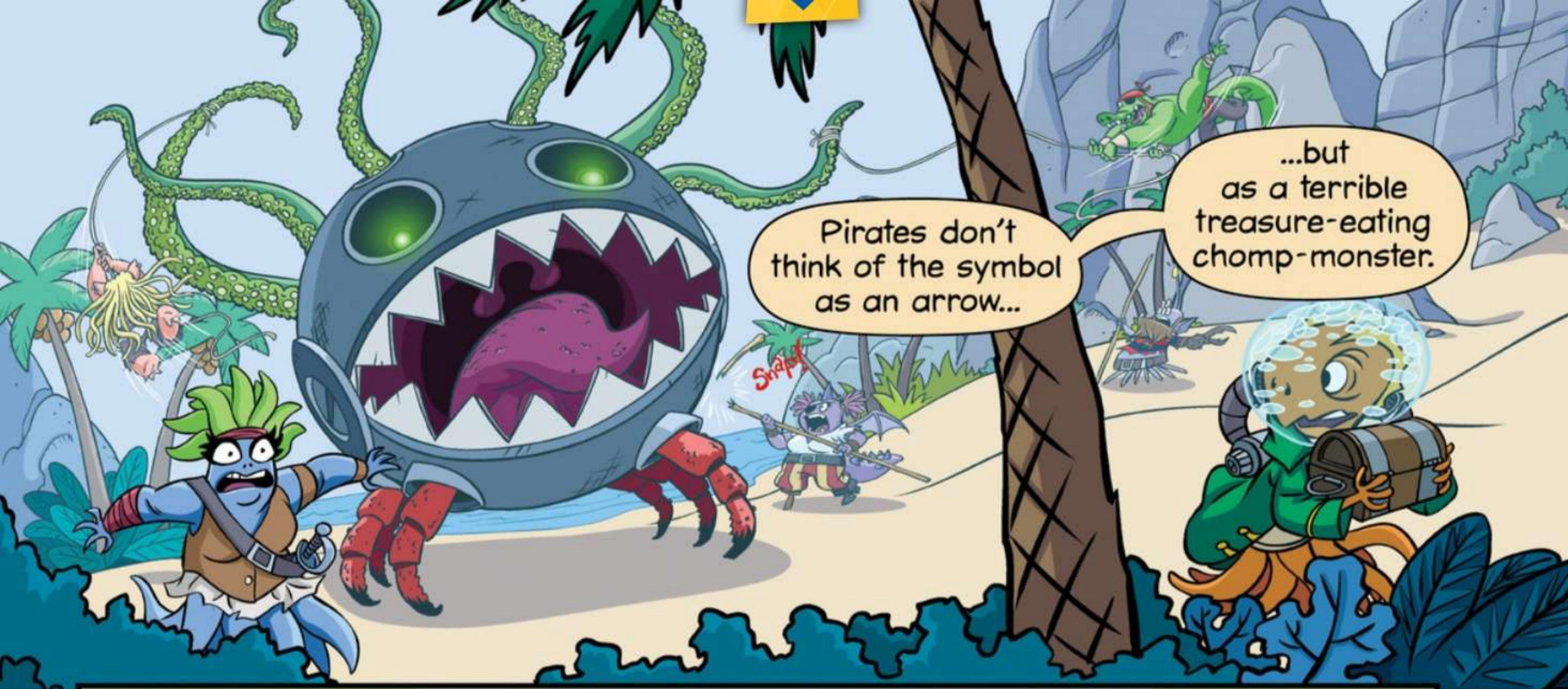


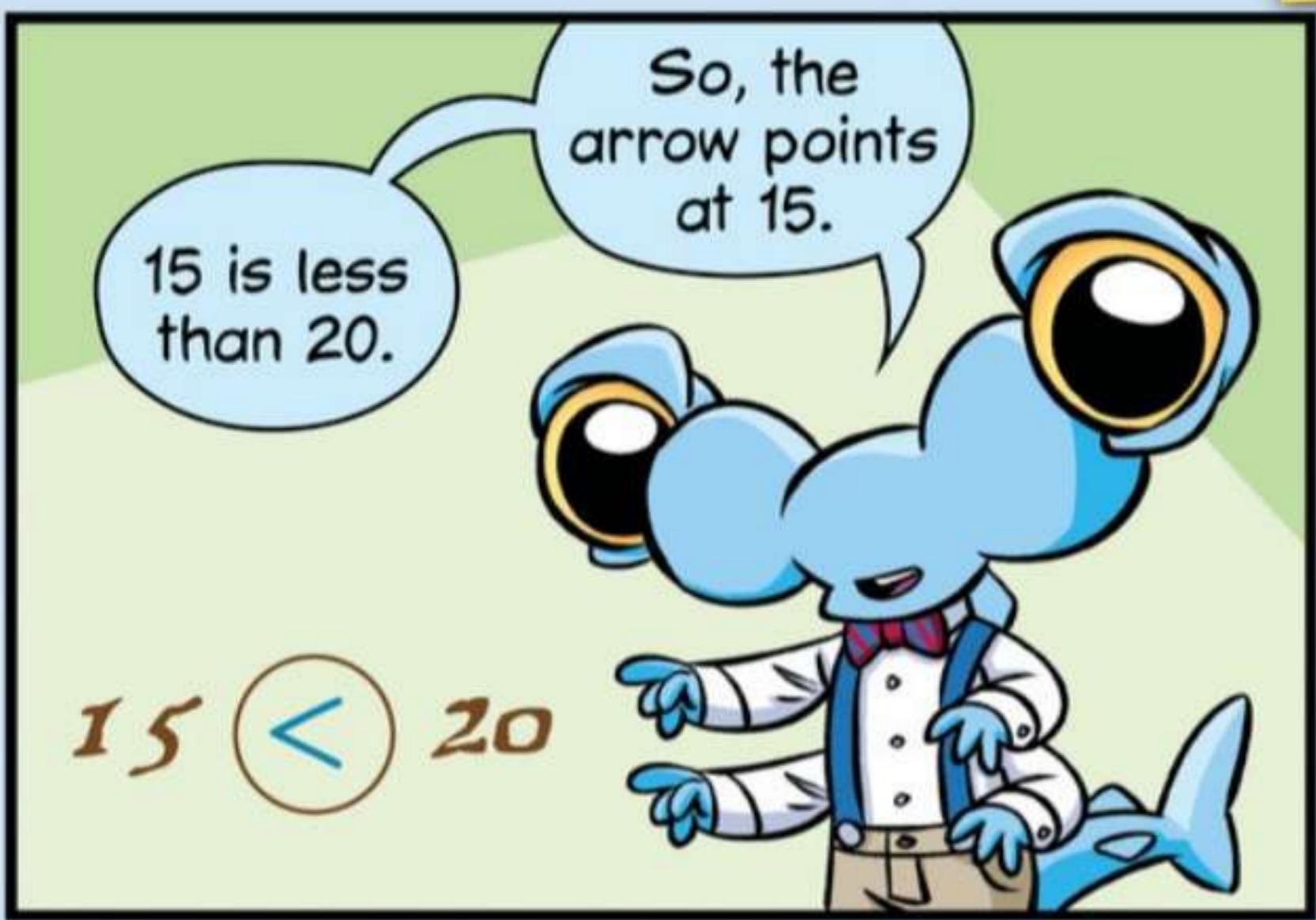




WE CAN ALSO SAY "7 IS GREATER THAN 6." THE WORD "GREATER" IS ANOTHER WORD FOR MORE.

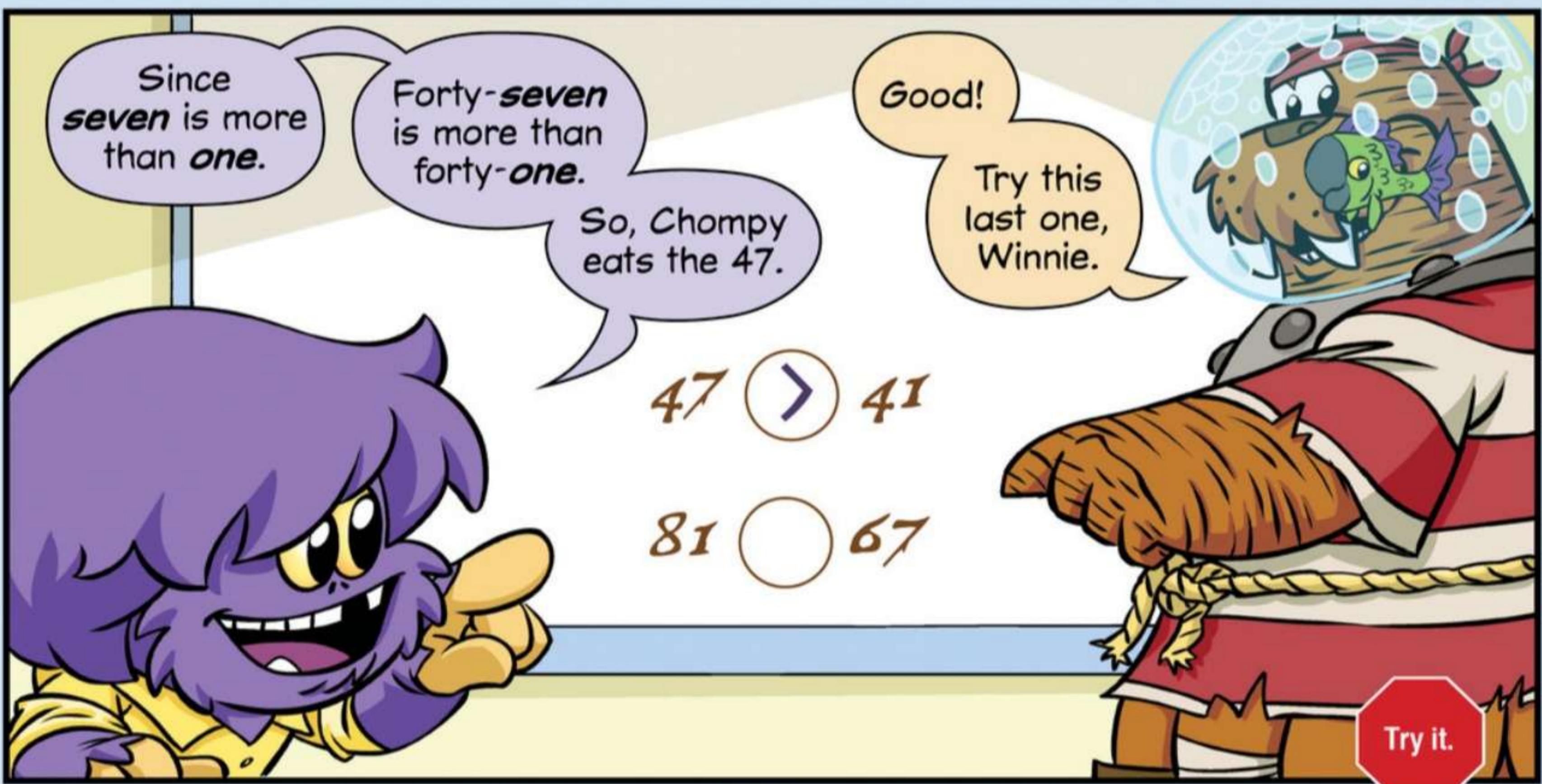


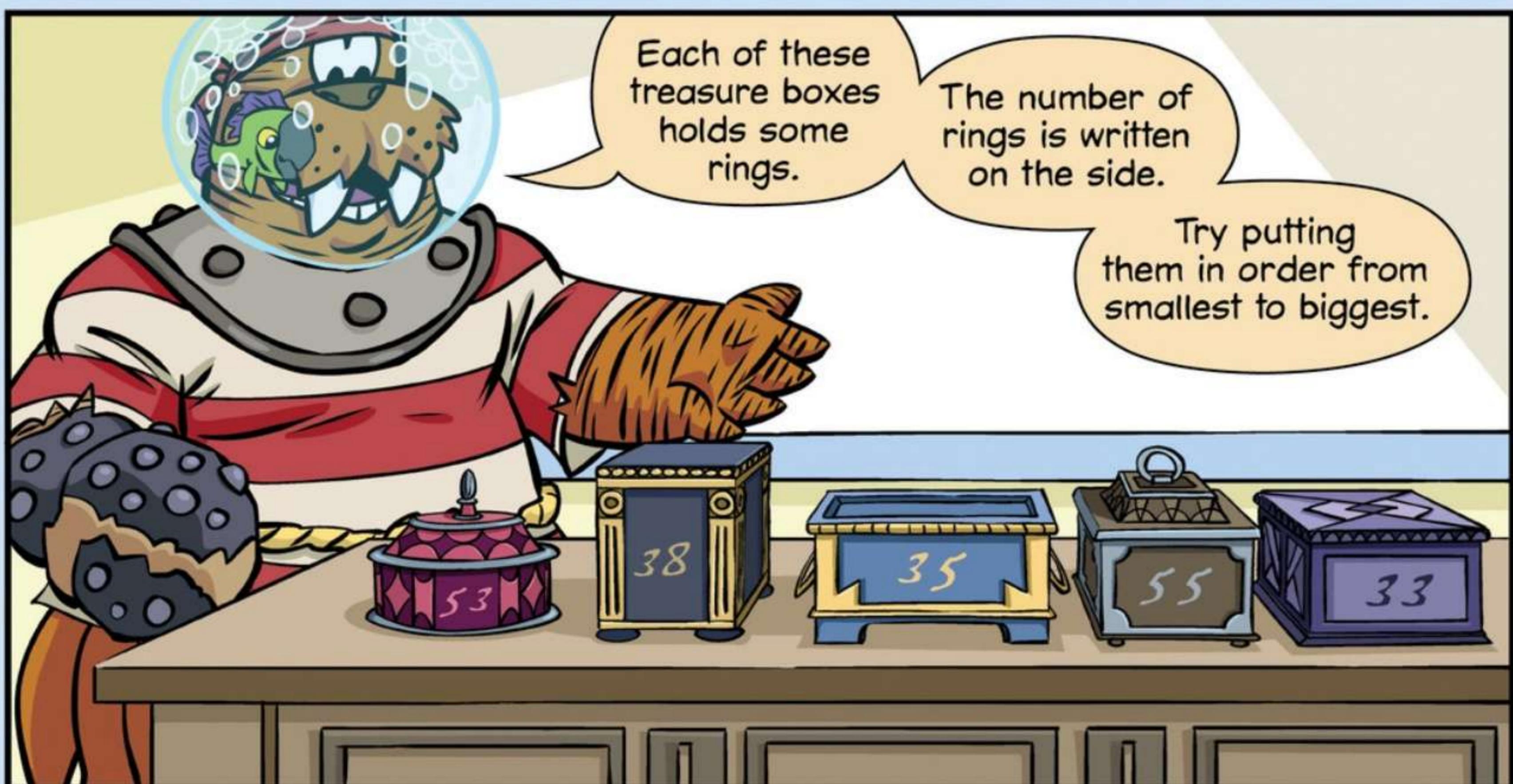
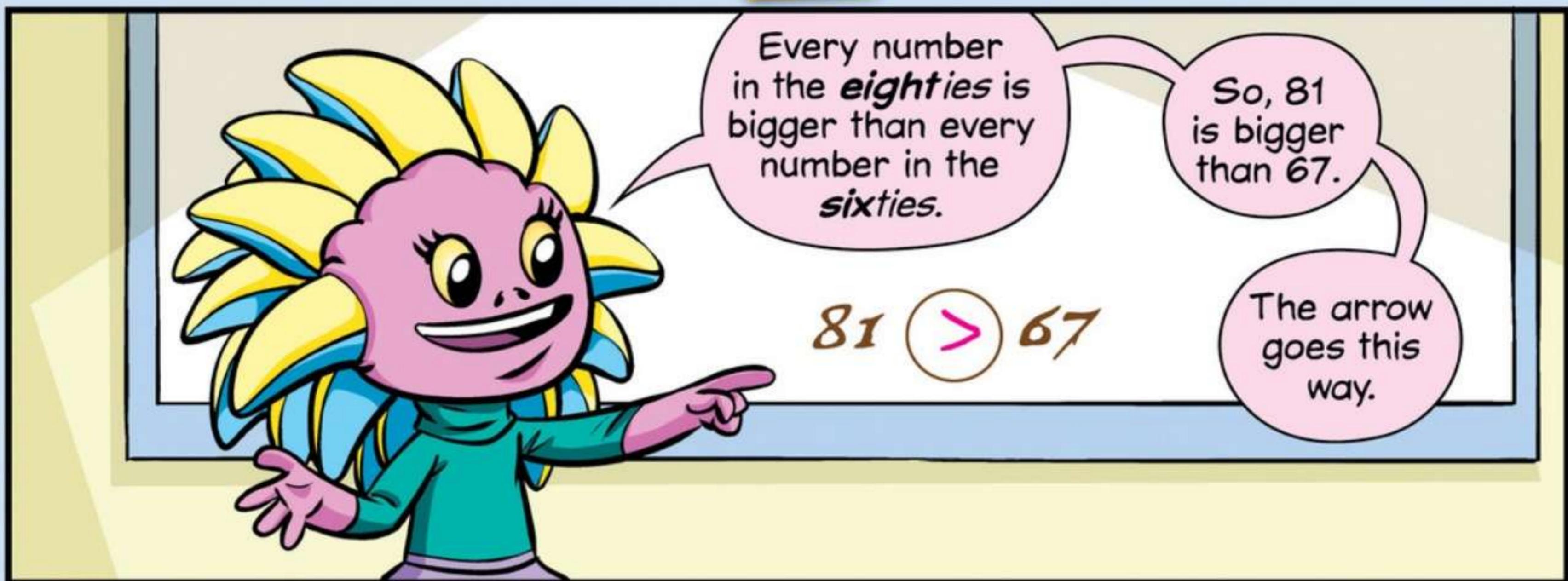


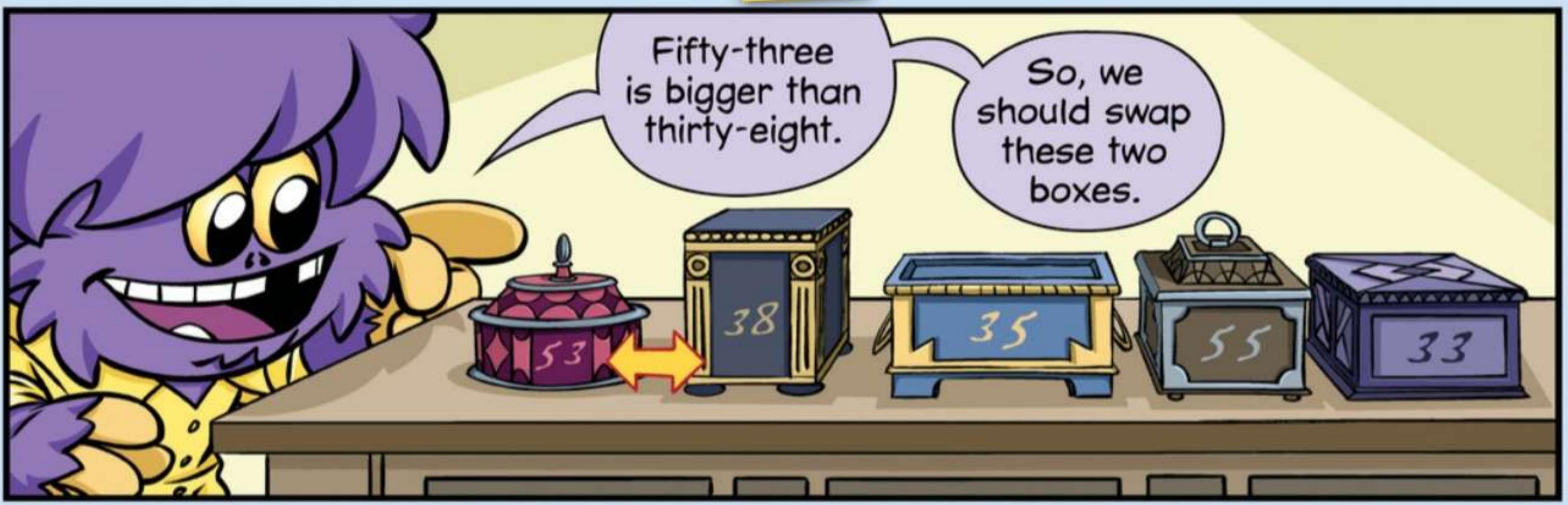


\leftarrow smaller bigger \rightarrow

55 56 57 58 59 60 61 62 63 64 65



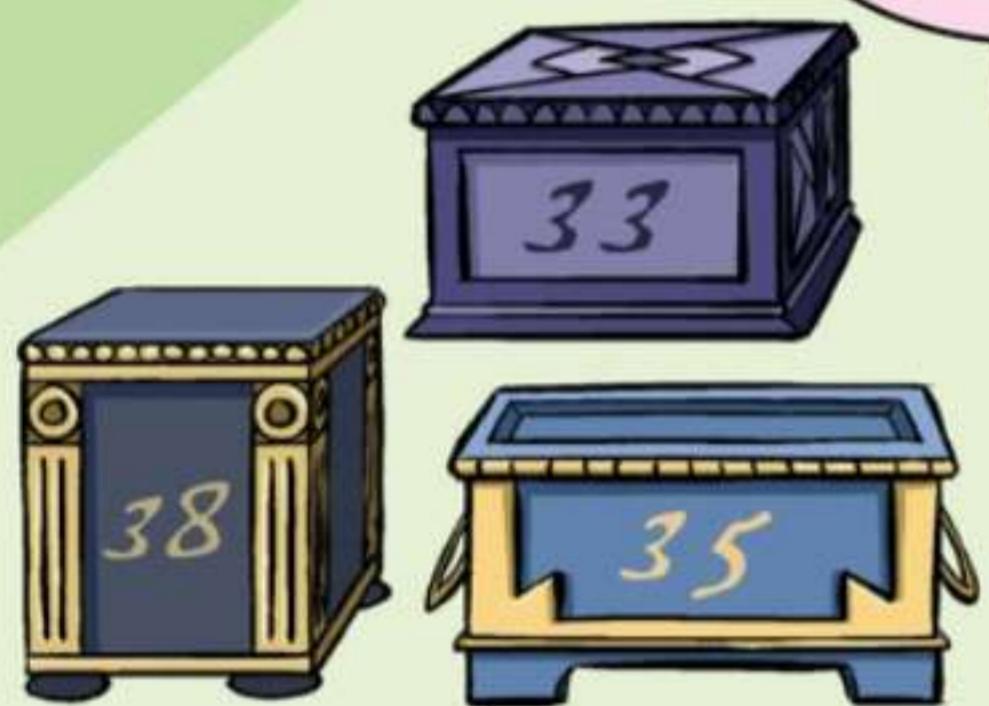




Numbers in the 30's are smaller than numbers in the 50's.

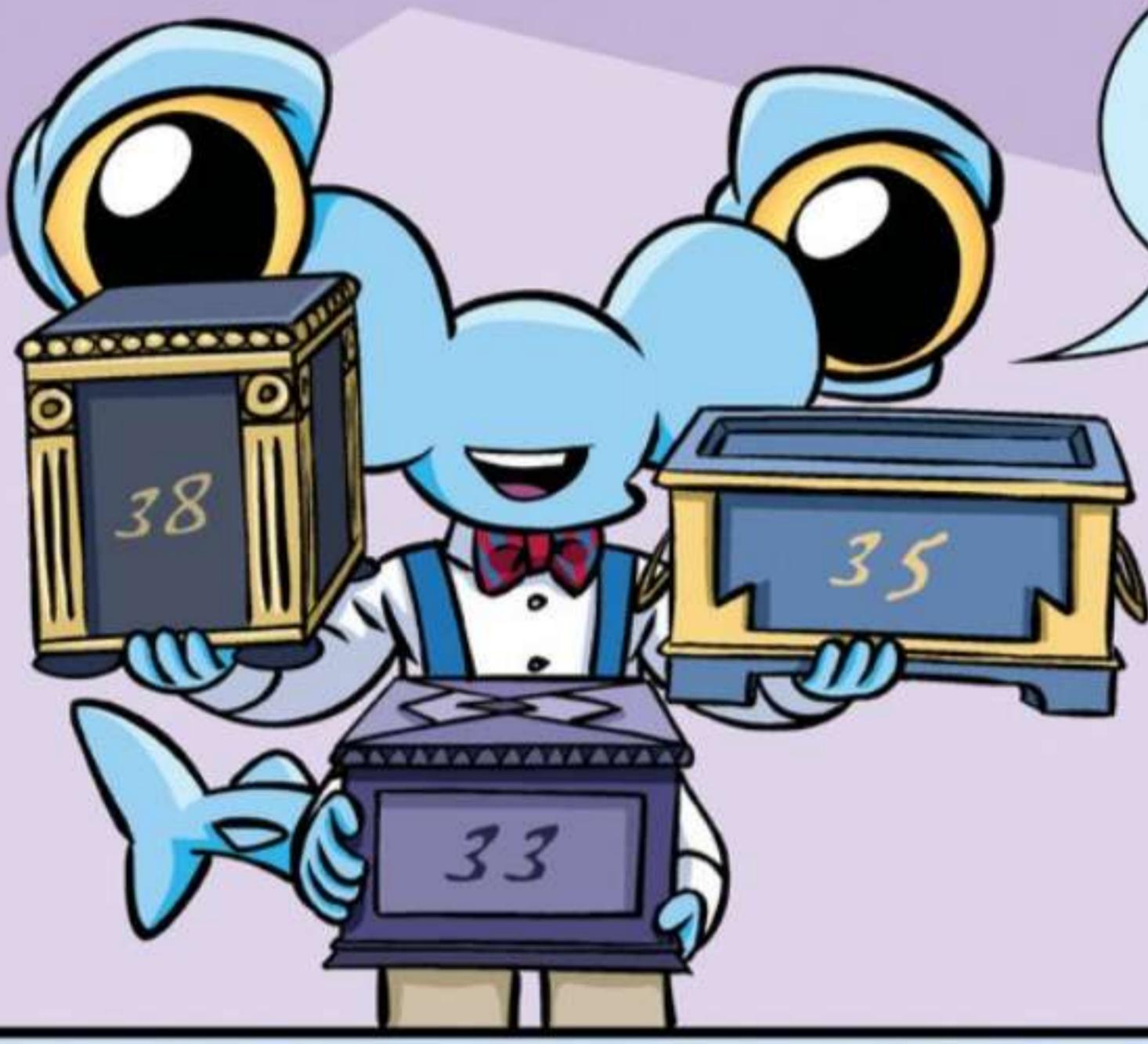
So, these three numbers in the 30's...

...are all smaller than these two in the 50's..



Now, we can just order the numbers in the 30's...

...and the numbers in the 50's.



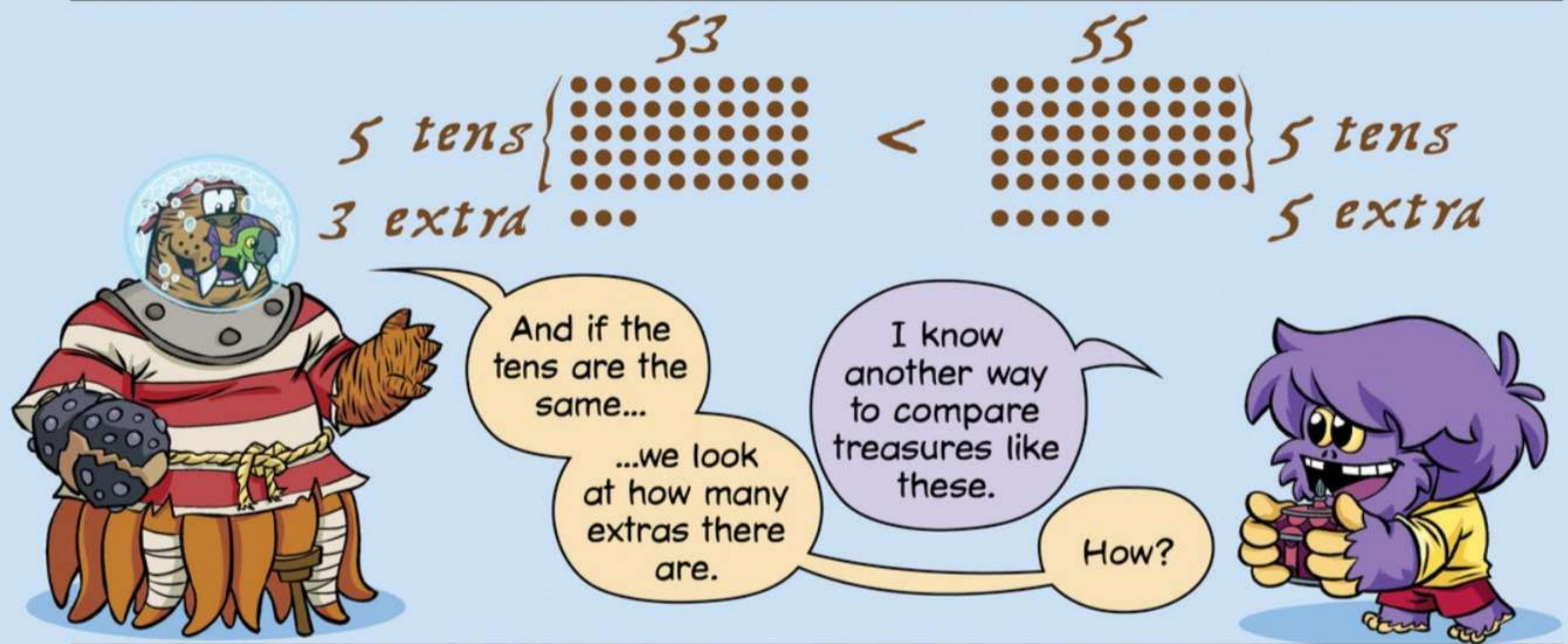
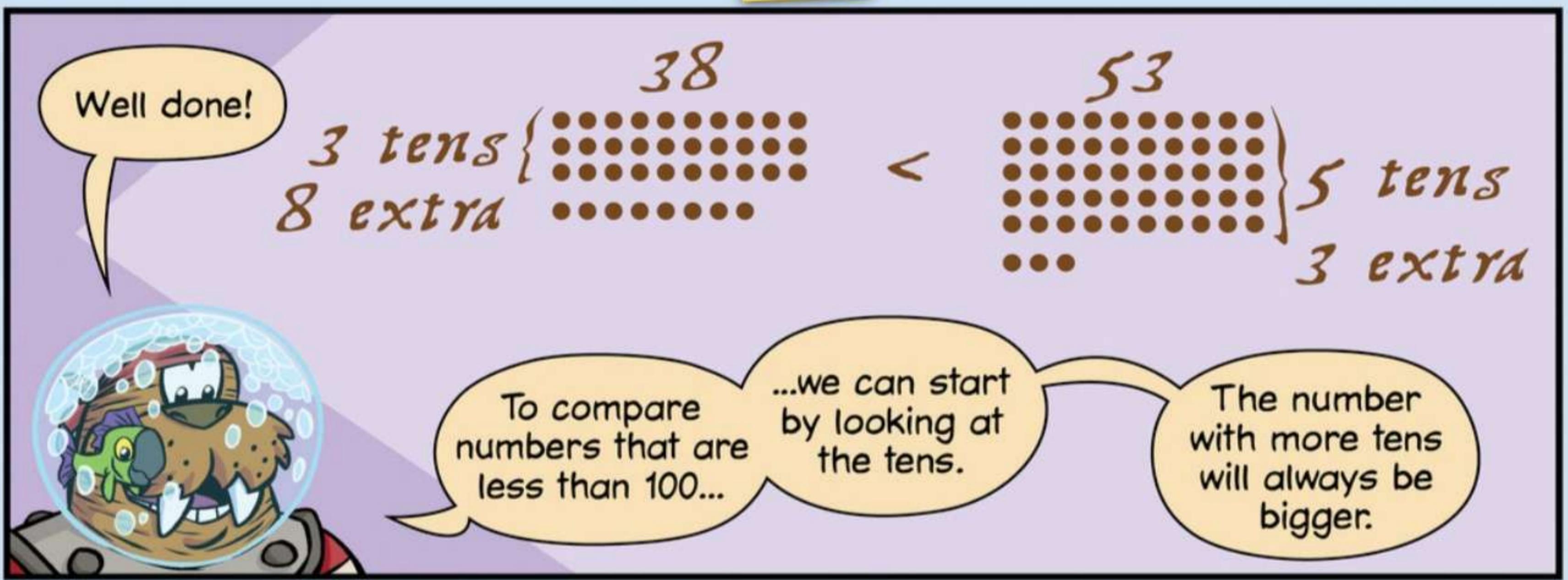
In the thirties, we have...

...thirty-**three**, thirty-**five**, thirty-**eight**.

And in the fifties, we have...

..fifty-**three**, then fifty-**five**.





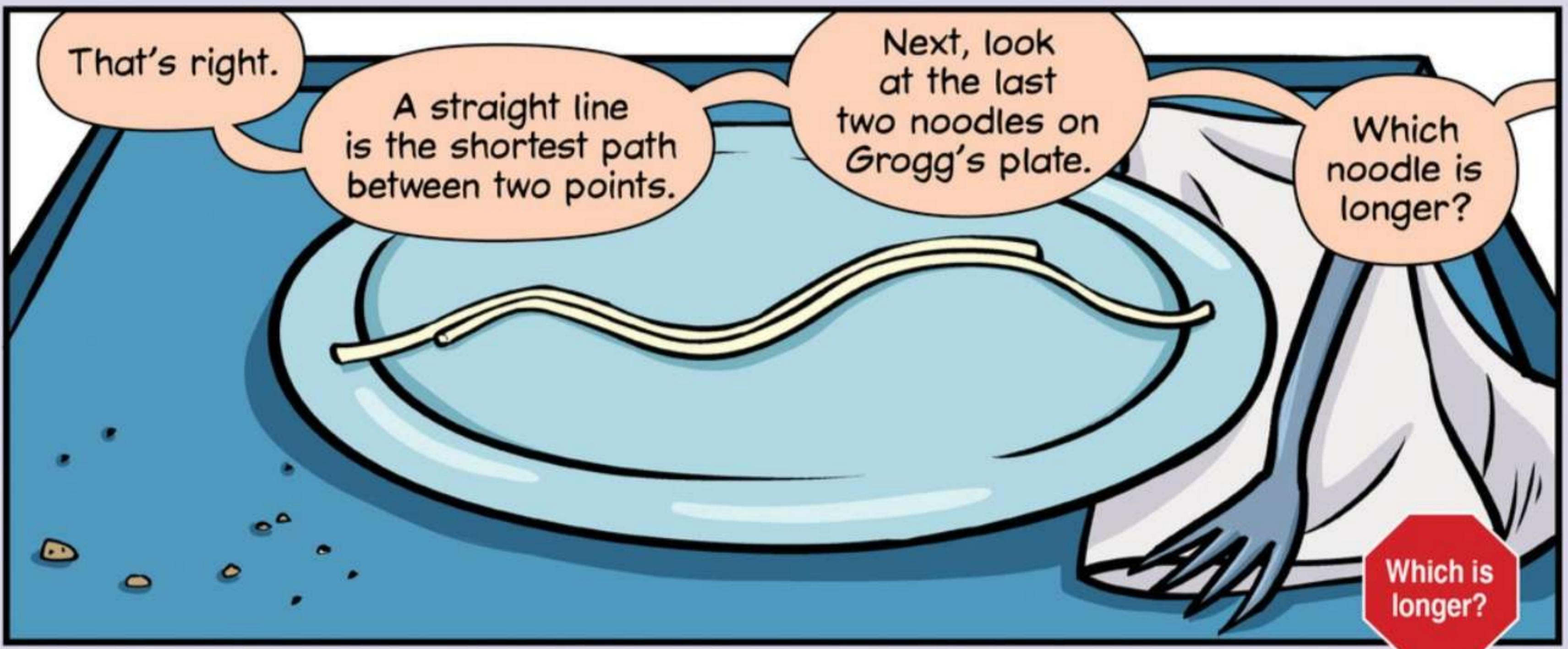
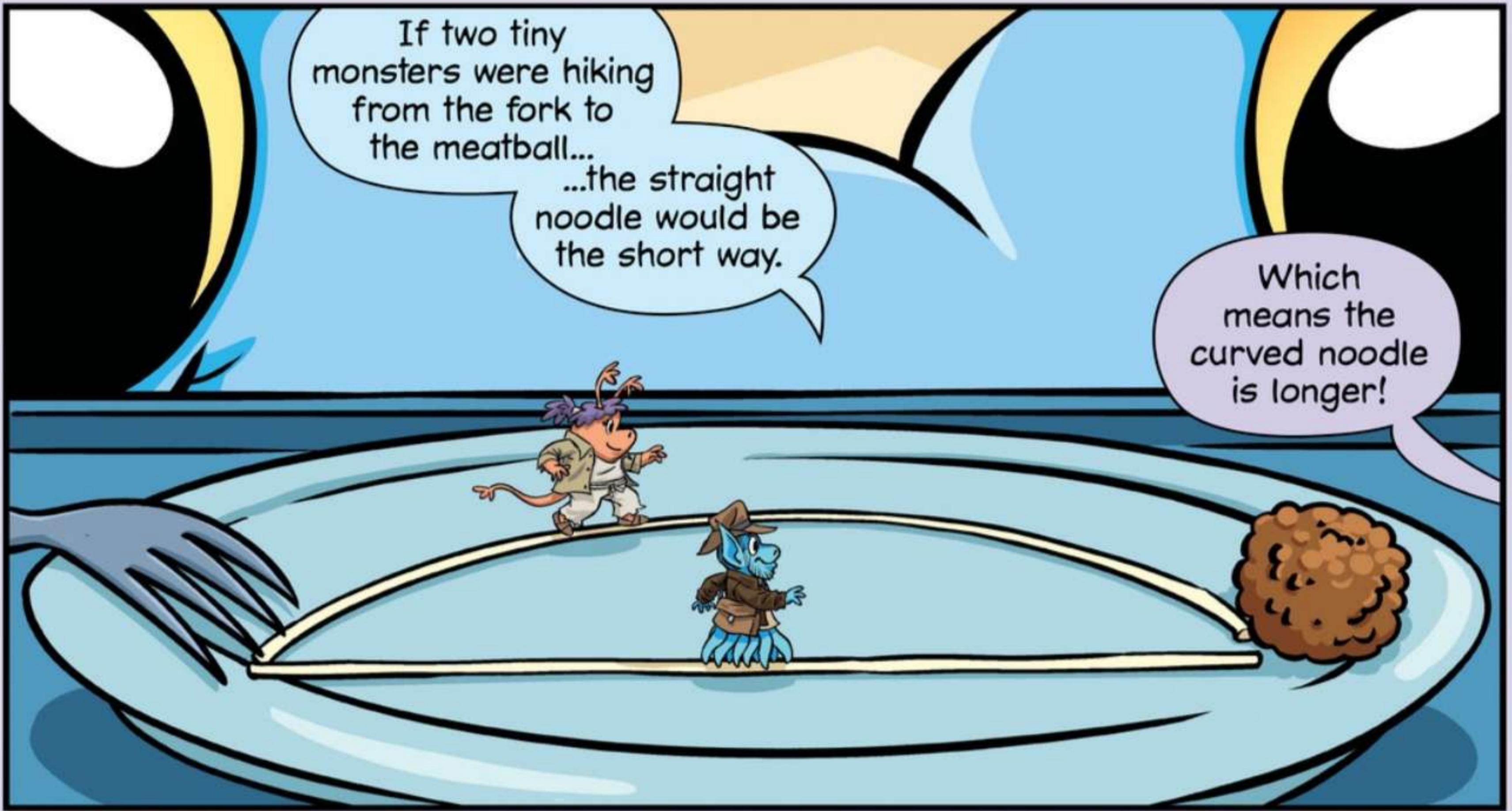
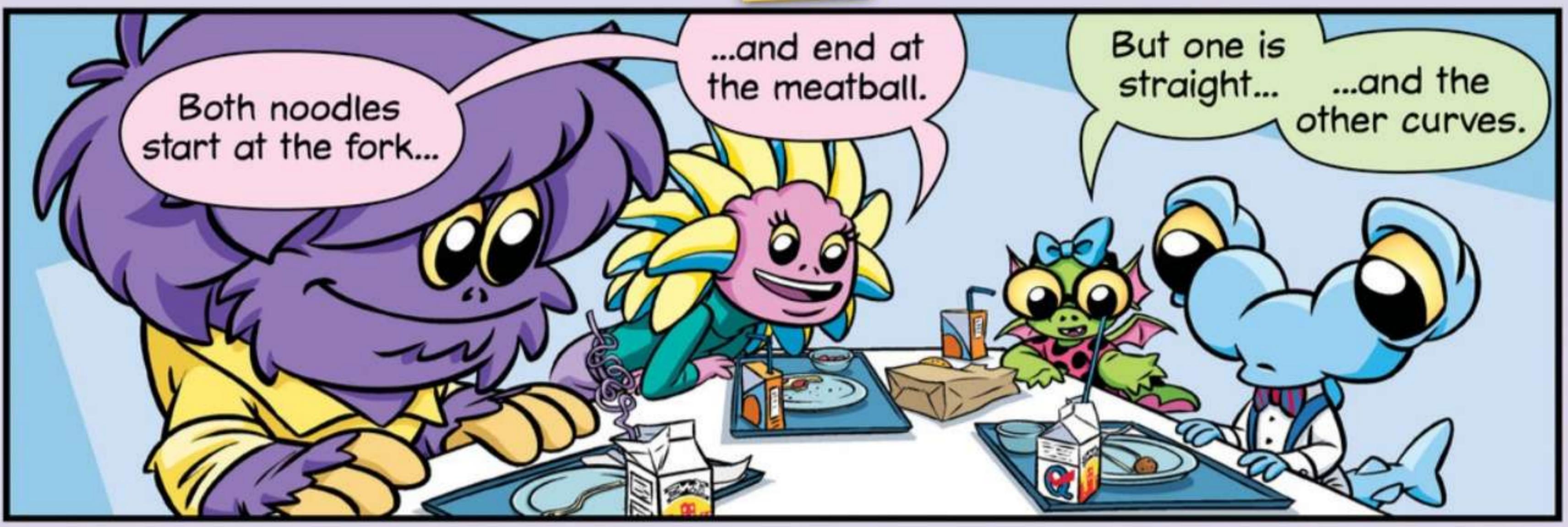
Lunch

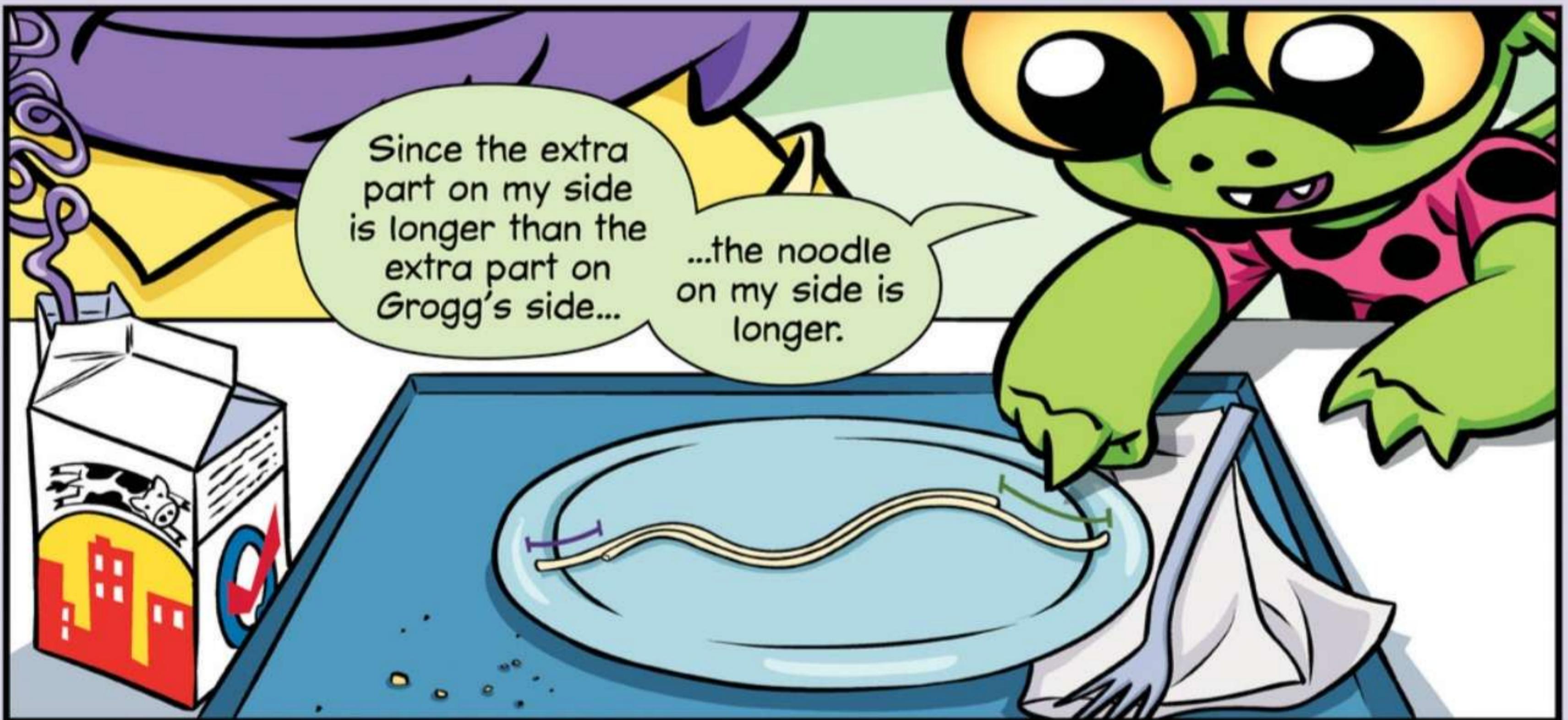
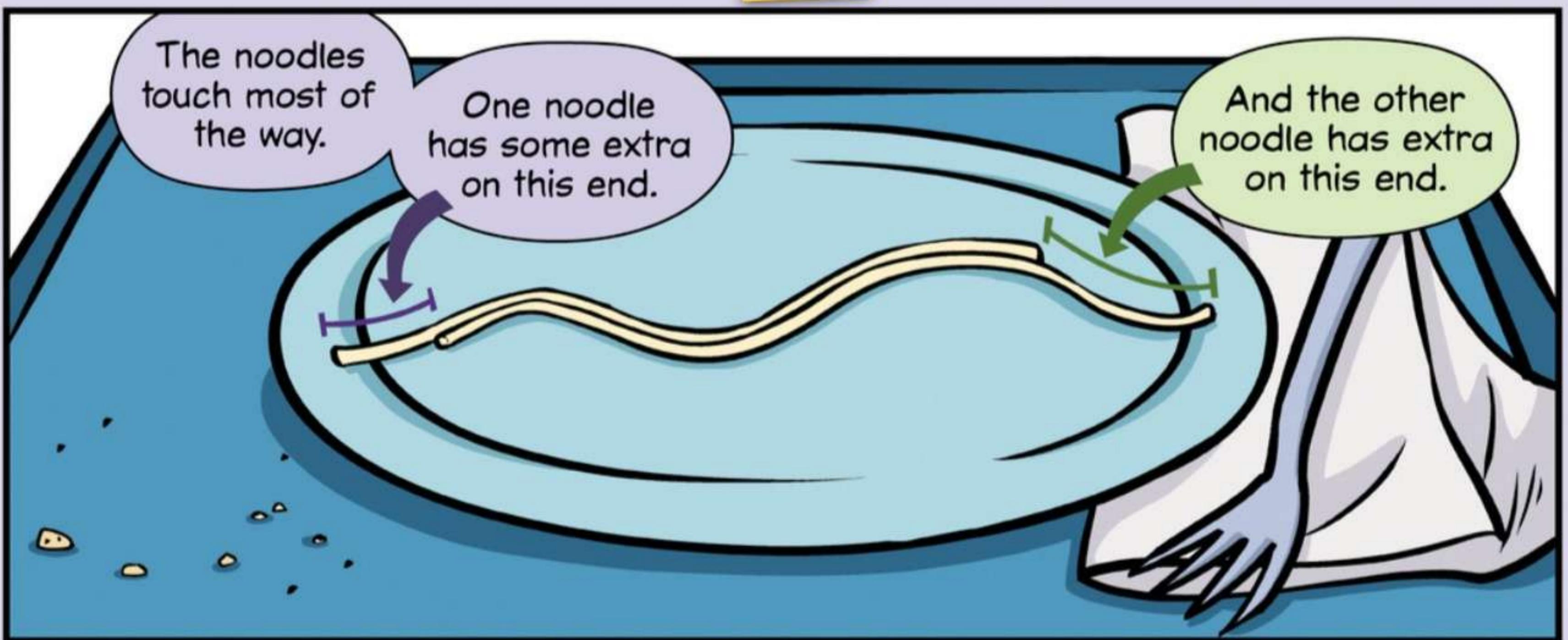






Which is longer?









R & G

THE BEGINNING

What's this room going to be used for?

I can't wait to see how it goes!

Think Beast Academy may have a Math Team again?

Ms. Levans is using it for an after-school math club.

Maybe.

I heard Captain Kraken talking about some **very** bright new students.

