

Contents: Chapter 1



First Day

How many things can you find to count on your first day in Beast Academy?

14



Campus Tour

Can you tell how many toes are on the crossing guard's blue foot without counting them?

26



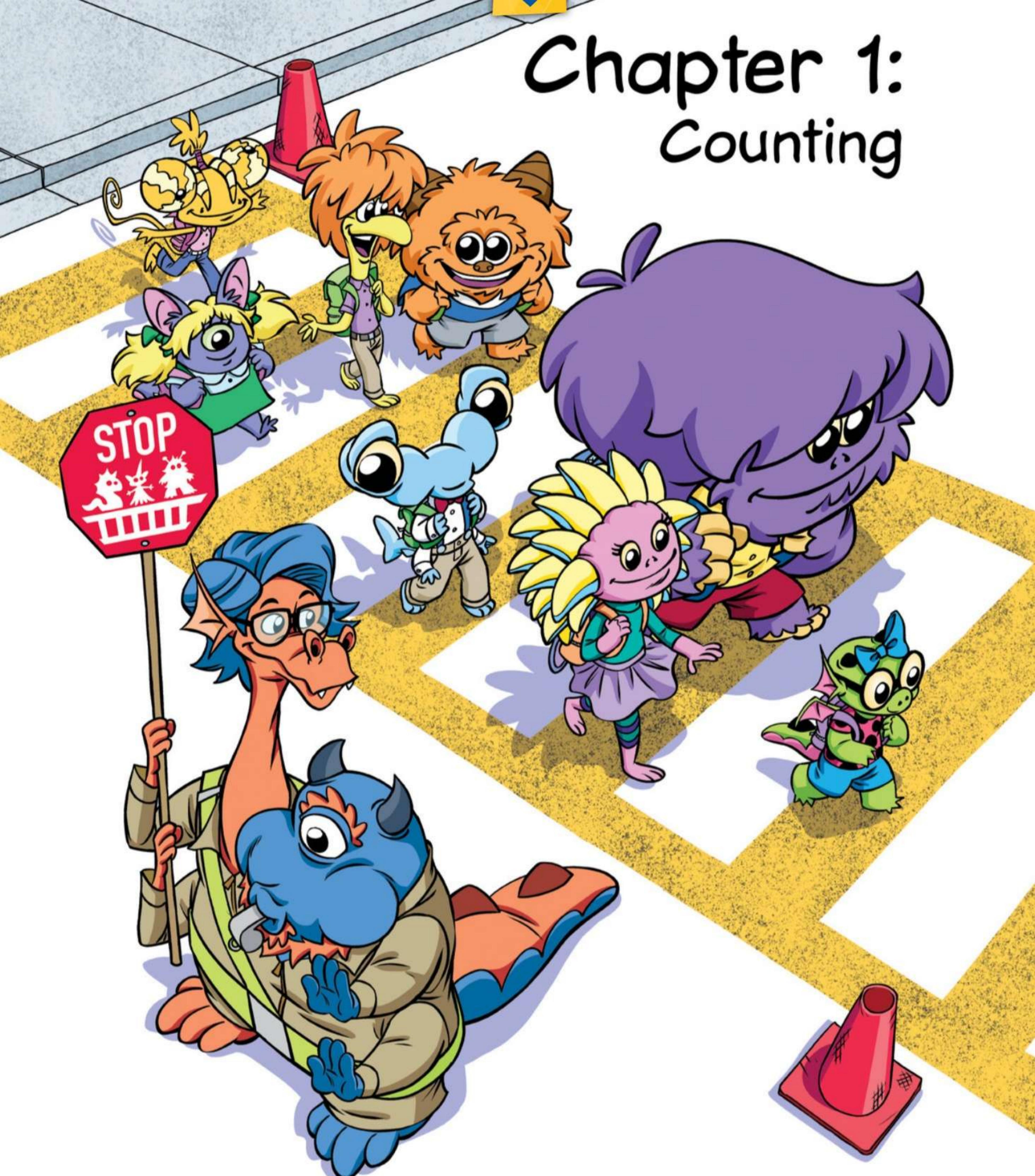
One Hundred

What patterns can you find in a hundred chart?

44

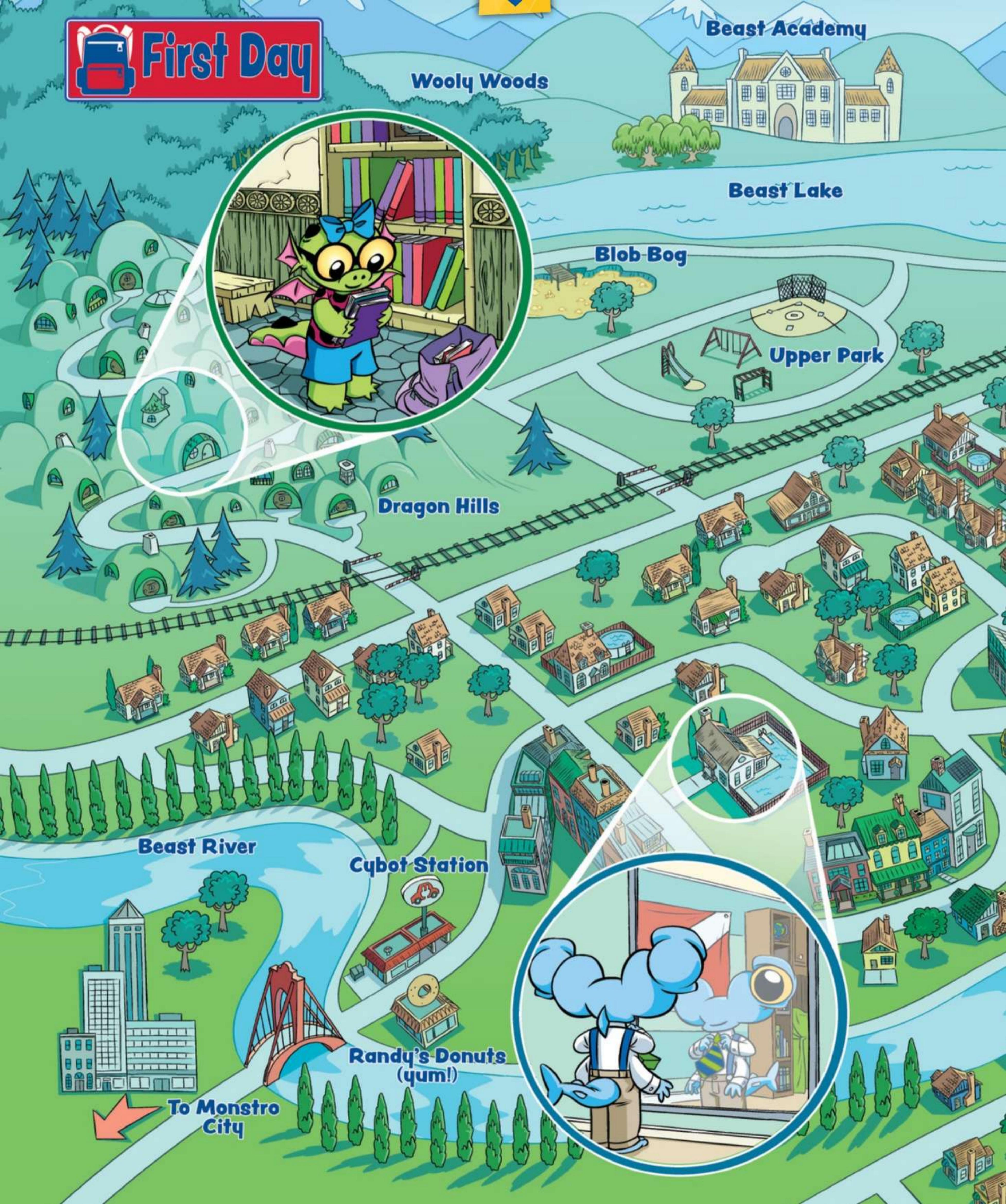
Chapter 1:

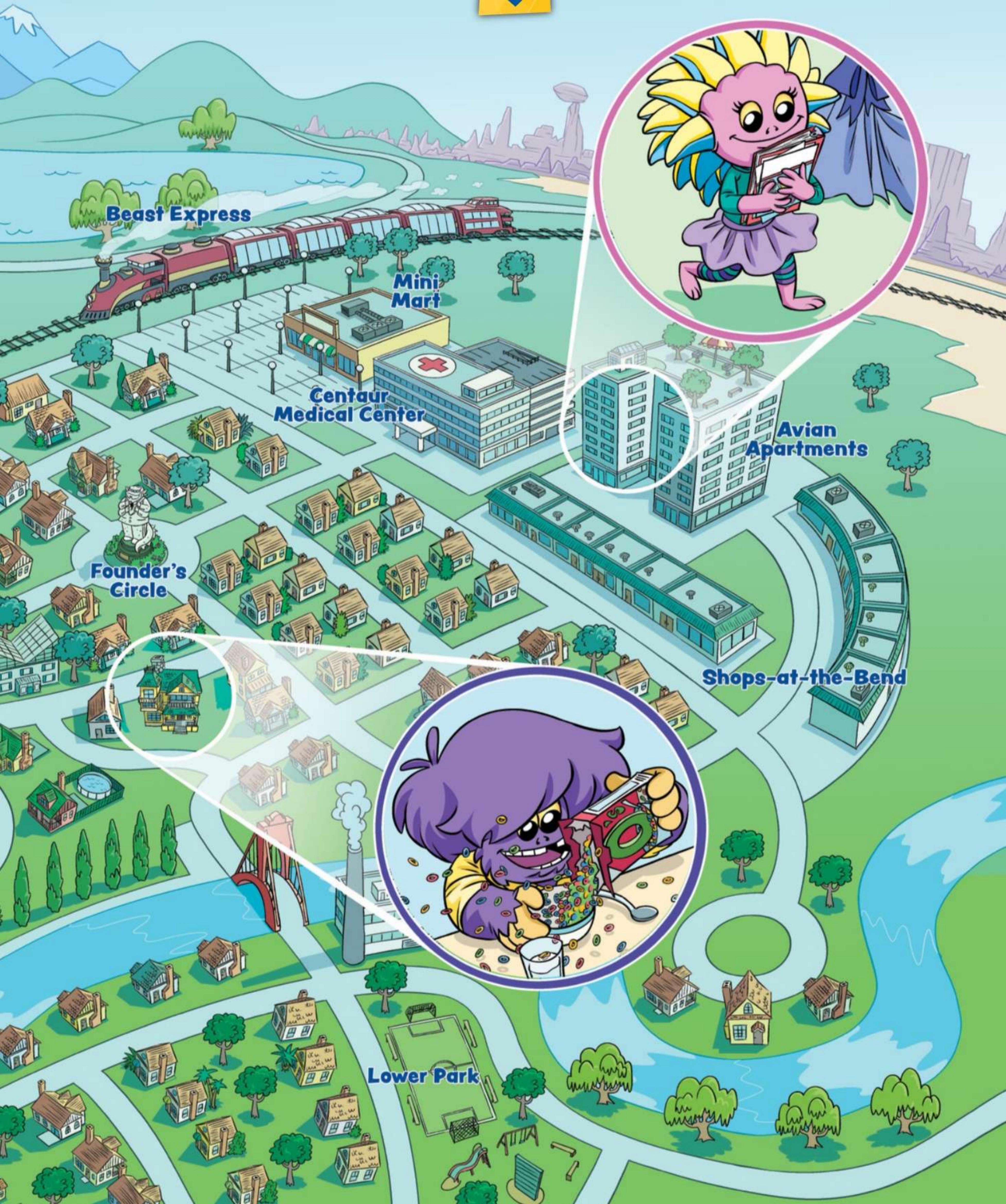
Counting

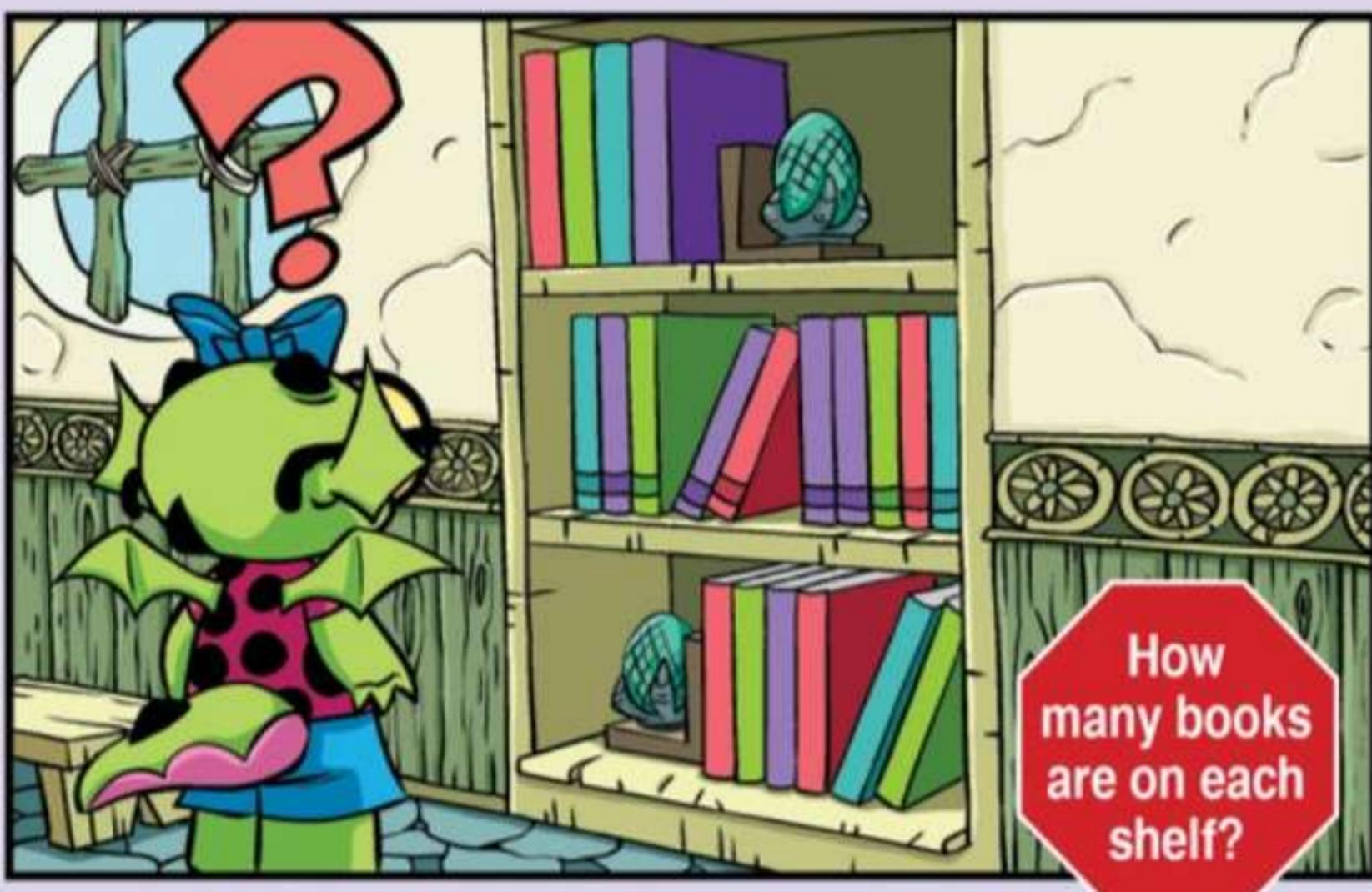
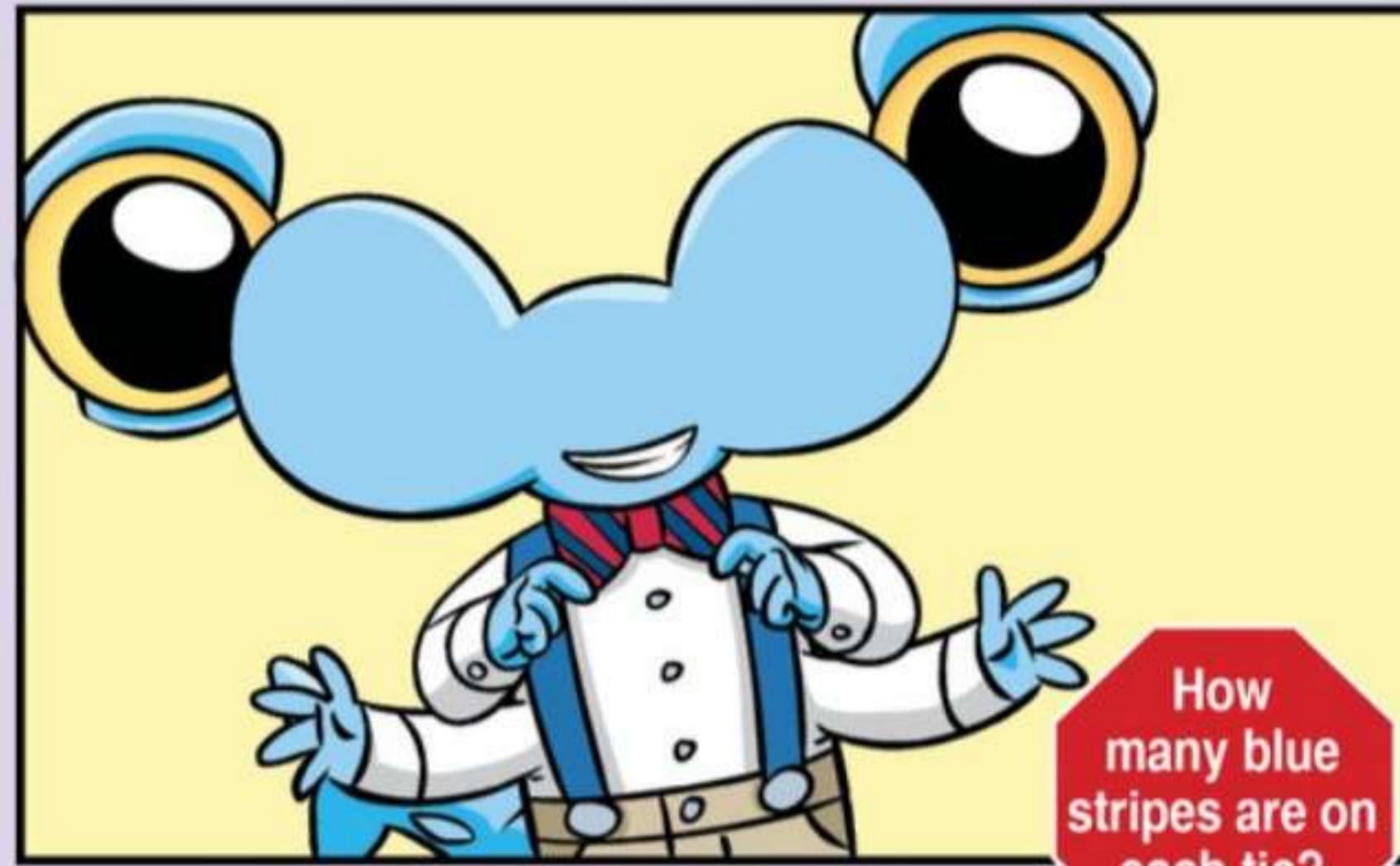




First Day









Hi!
I'm Elizabeth,
but everyone
just calls me
Lizzie.

I'm Alex.
We were in the
same swim class
this summer.

Oh, yeah!
You were
good!

My
name is
Winnie.

I'm
Grogg!

THERE WERE 3, 2, 5, AND 4 STRIPES ON THE TIES. THE SHELVES HAD 4, 10, AND 6 BOOKS (AT FIRST).
THE BLUE, GREEN, AND RED NOTEBOOKS HAD 4, 7, AND 5 STICKERS. THE SPOONS HAD 6, 8, AND 5 O'S.



The Headmaster Campus Tour

Welcome to Beast Academy!

I am the Headmaster, and today I'll also be your tour guide.



Before we take a look around, let's split into smaller groups.

That will make it easier for me to keep track of you all.



In small groups, I don't have to count you one at a time.

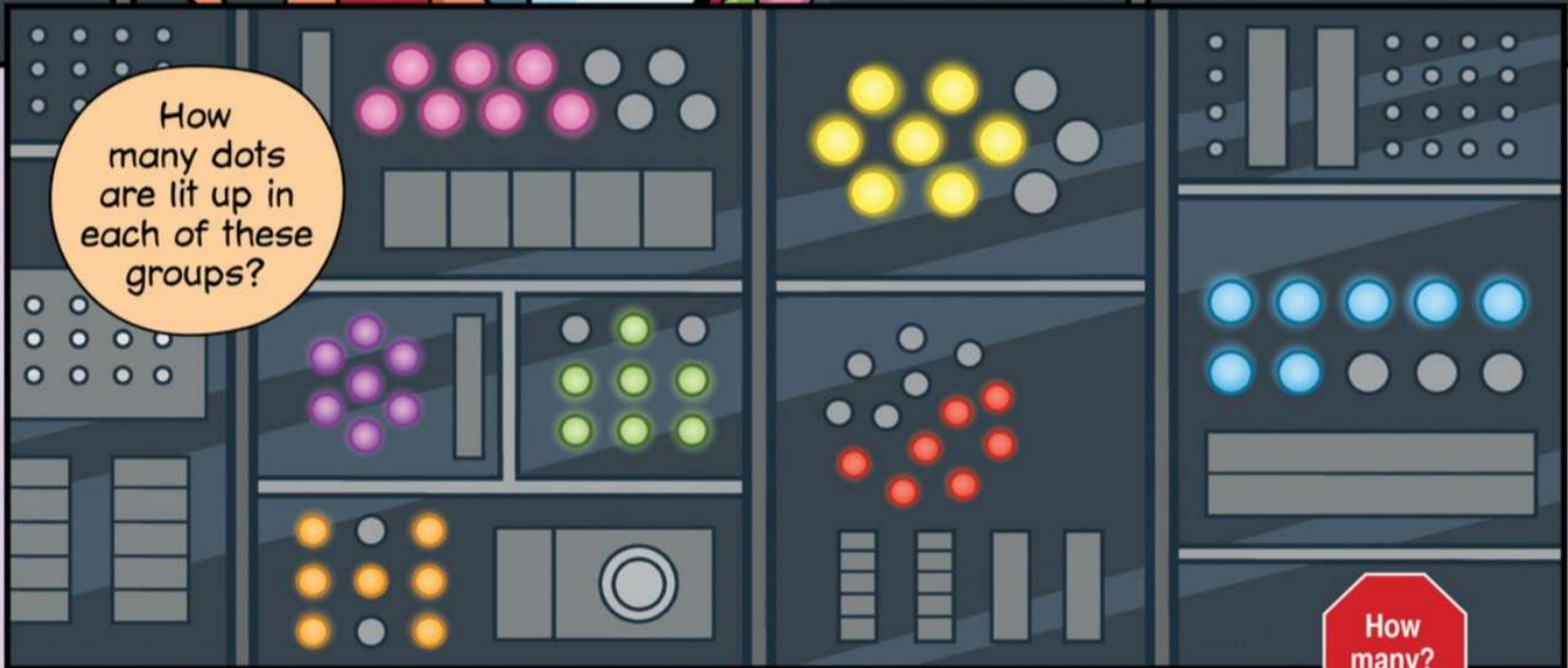
I can count small groups just by looking!

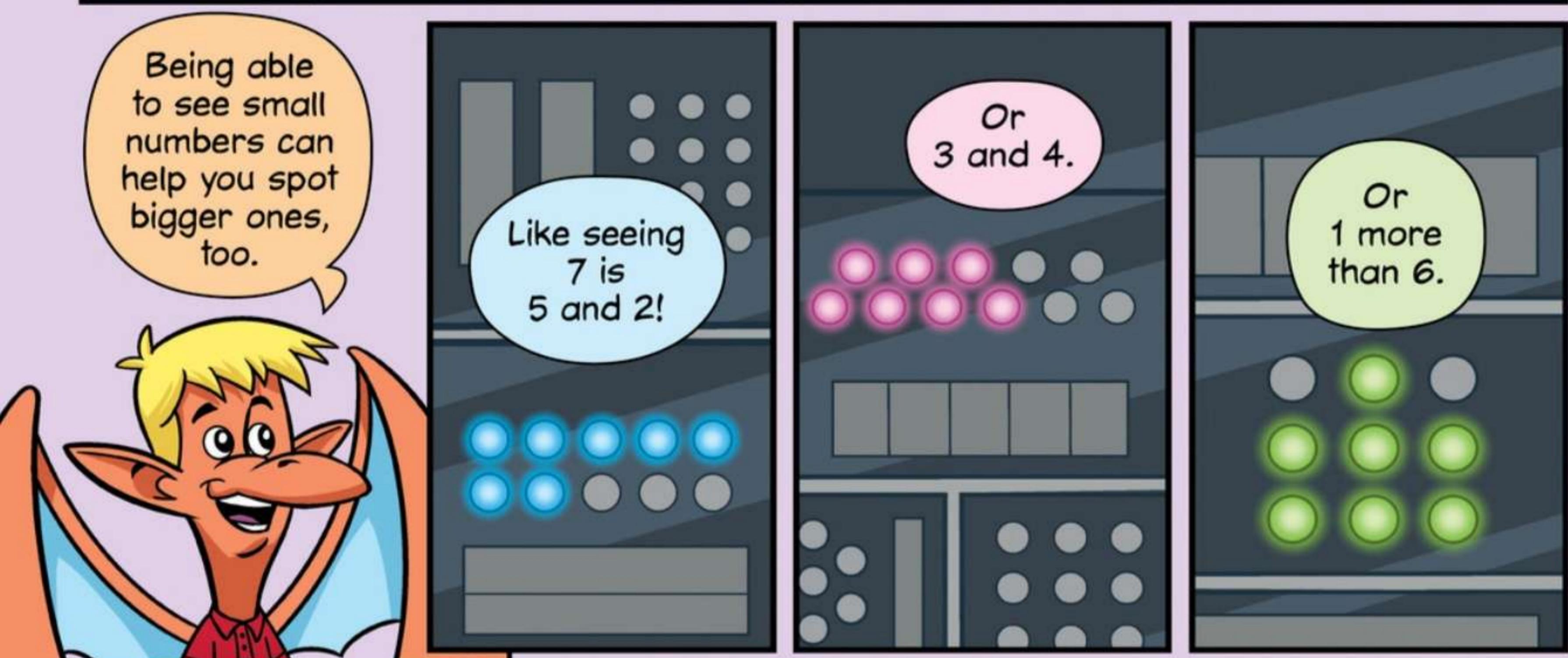
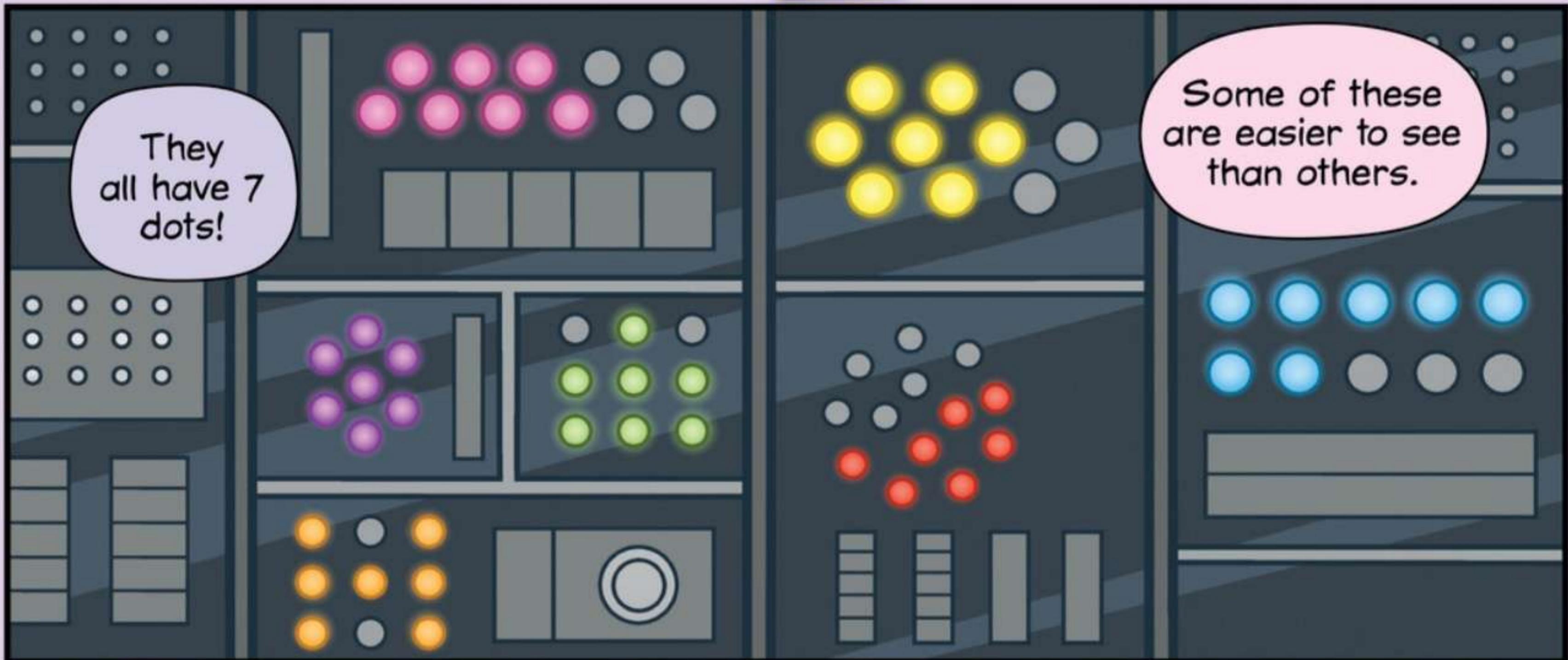
Without counting?

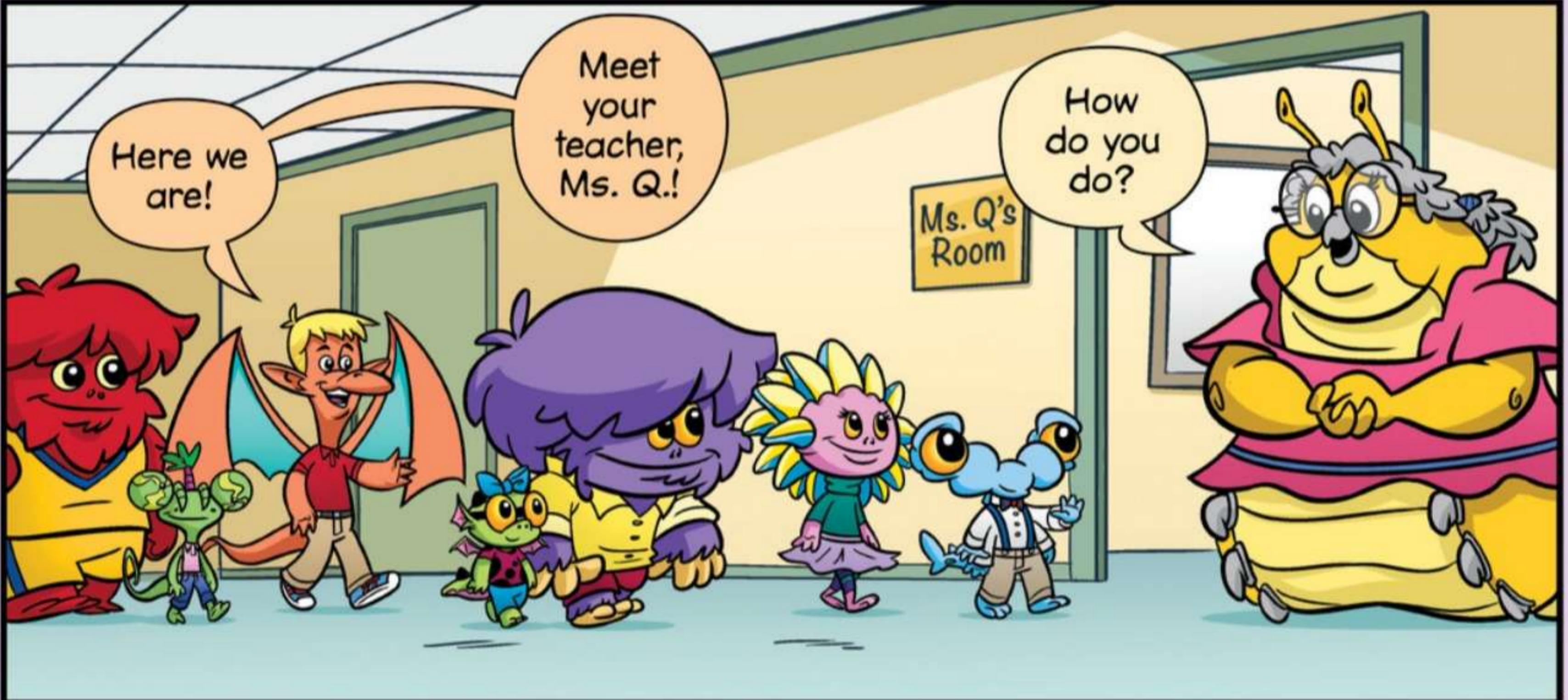






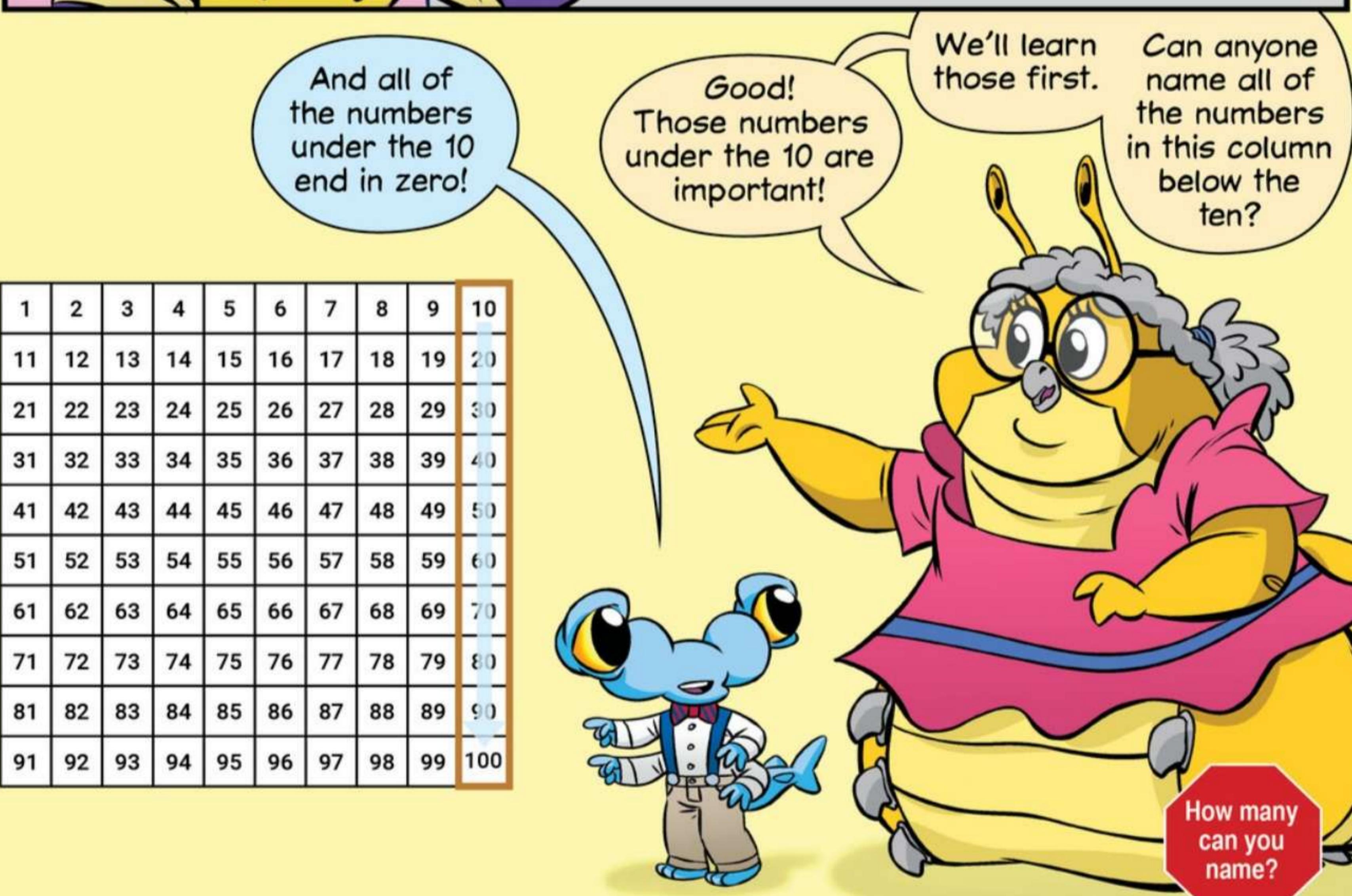
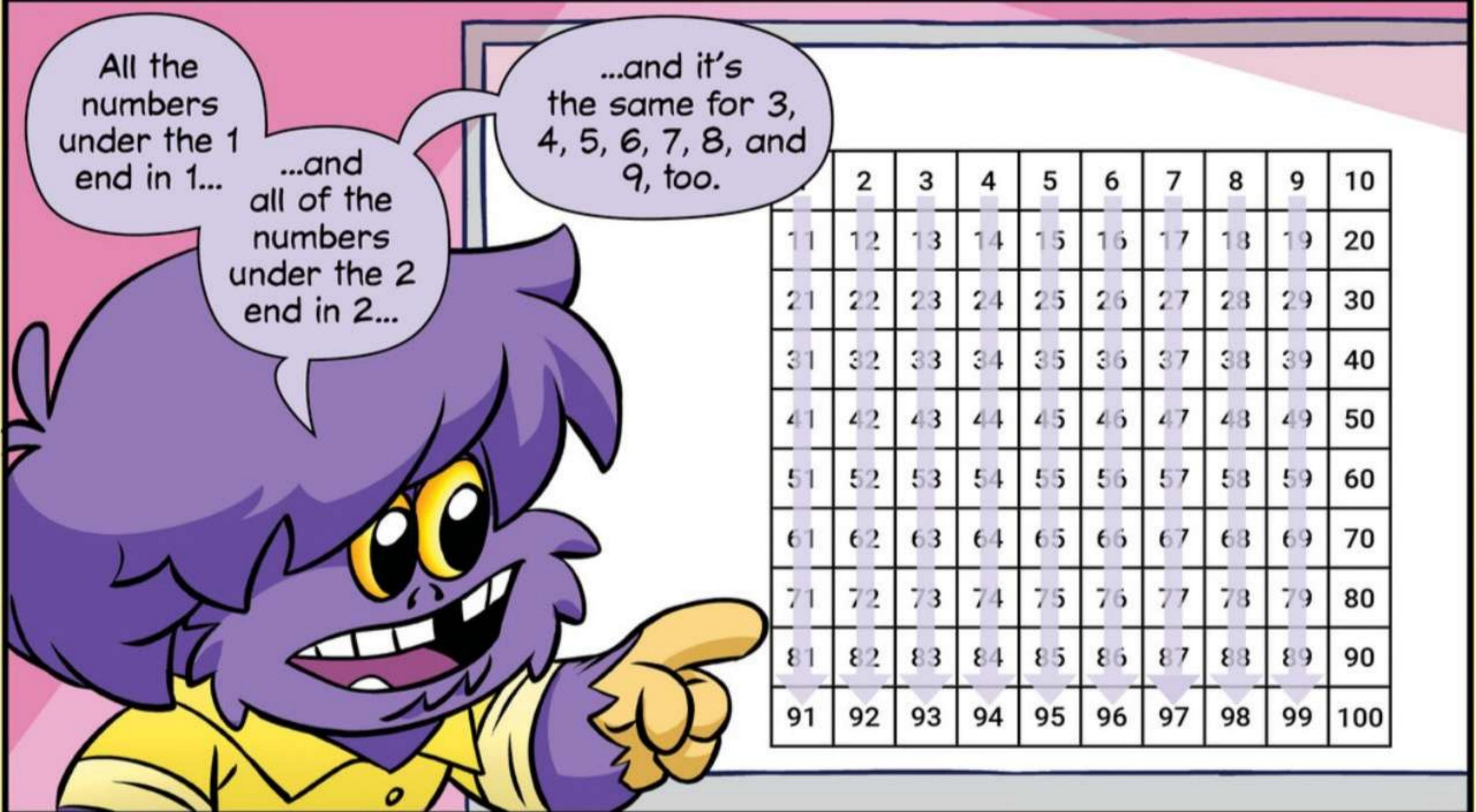




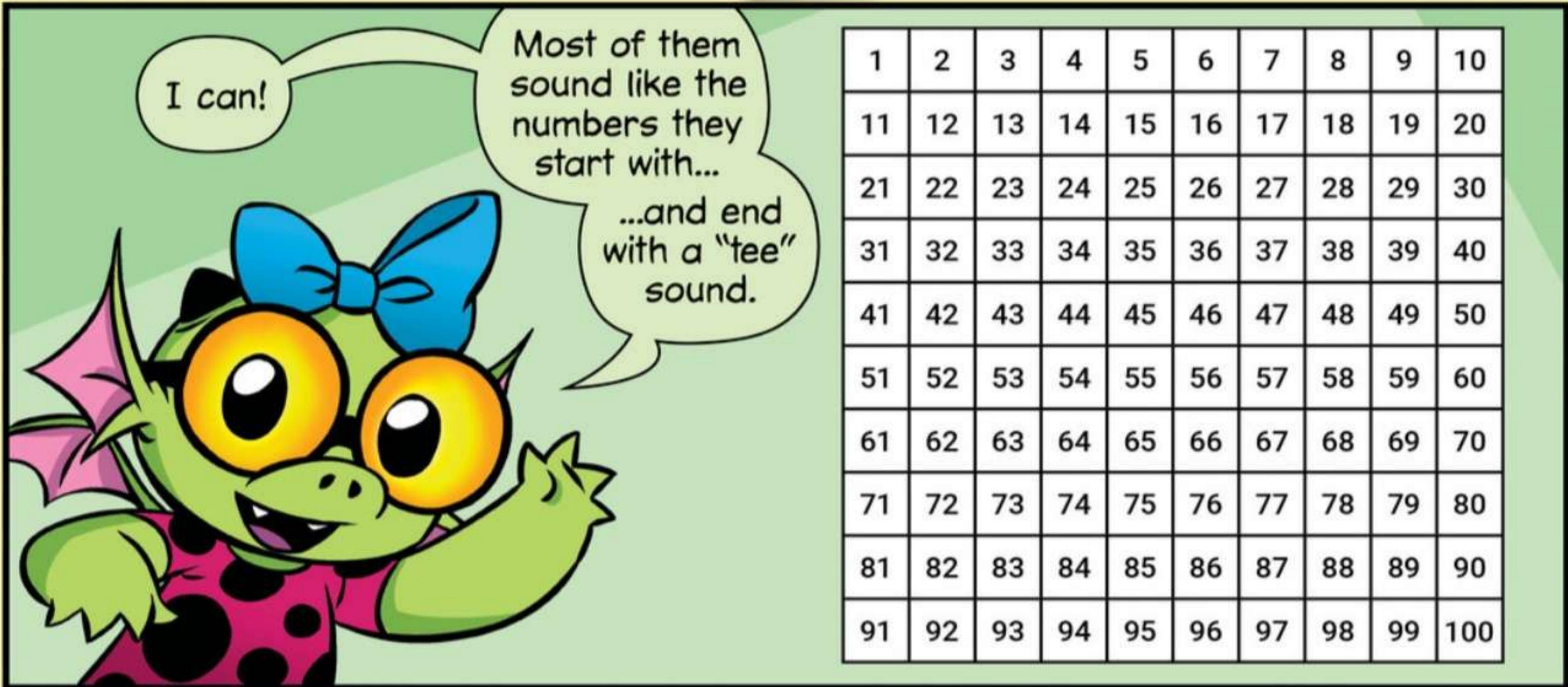


Ms. Q. ONE HUNDRED





IN CHARTS, ROWS GO LEFT-TO-RIGHT ↔, AND COLUMNS (SAY "CALL-UMS") GO UP-AND-DOWN ↑.
THINK OF TALL COLUMNS ON OLD BUILDINGS TO HELP YOU REMEMBER. III





DON'T WORRY ABOUT SPELLING NUMBERS THE RIGHT WAY FOR NOW, AS LONG AS YOU CAN SAY THEM!

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100





10 "ten"
 20 "twenty"
 30 "thirty"
 40 "forty"
 50 "fifty"
 60 "sixty"
 70 "seventy"
 80 "eighty"
 90 "ninety"
 100 "one hundred"

Practice
saying these
numbers in
order.

We call
this counting
by tens.



There are
ten numbers
in each row.

So, when
we count "ten,
twenty, thirty" ...



Two rows
of ten is
twenty.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

"ten"
 "twenty"
 "thirty"
 "forty"
 "fifty"
 "sixty"
 "seventy"
 "eighty"
 "ninety"
 "one hundred"



Three rows of ten
is thirty...

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

...four tens
is forty...

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

...five tens
is fifty.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Six tens is
"six T"!

Seven tens is
"seven T"!

Eight tens is
"eight T"!

Nine tens is
"nine T"!

Maybe the
"T" stands
for tens!

60
"six T"
six tens

70
"seven T"
seven tens

80
"eight T"
eight tens

90
"nine T"
nine tens

30
thirty

31

32

33

34

35

36

37

38

39

40

forty

That is a
wonderful way
to think about it,
Grogg!

If you can
count by tens,
you can count all
of the numbers
from 1 to 100.

For example,
what are the
numbers between
thirty and forty?



30 31 32 33 34 35 36 37 38 39 40
thirty thirty- forty
one two three four five six seven eight nine



After thirty is
thirty-one,
thirty-two,
thirty-three,
thirty-four,
thirty-five...

...thirty-six,
thirty-seven,
thirty-eight,
thirty-nine,
forty!

Makes
sense!

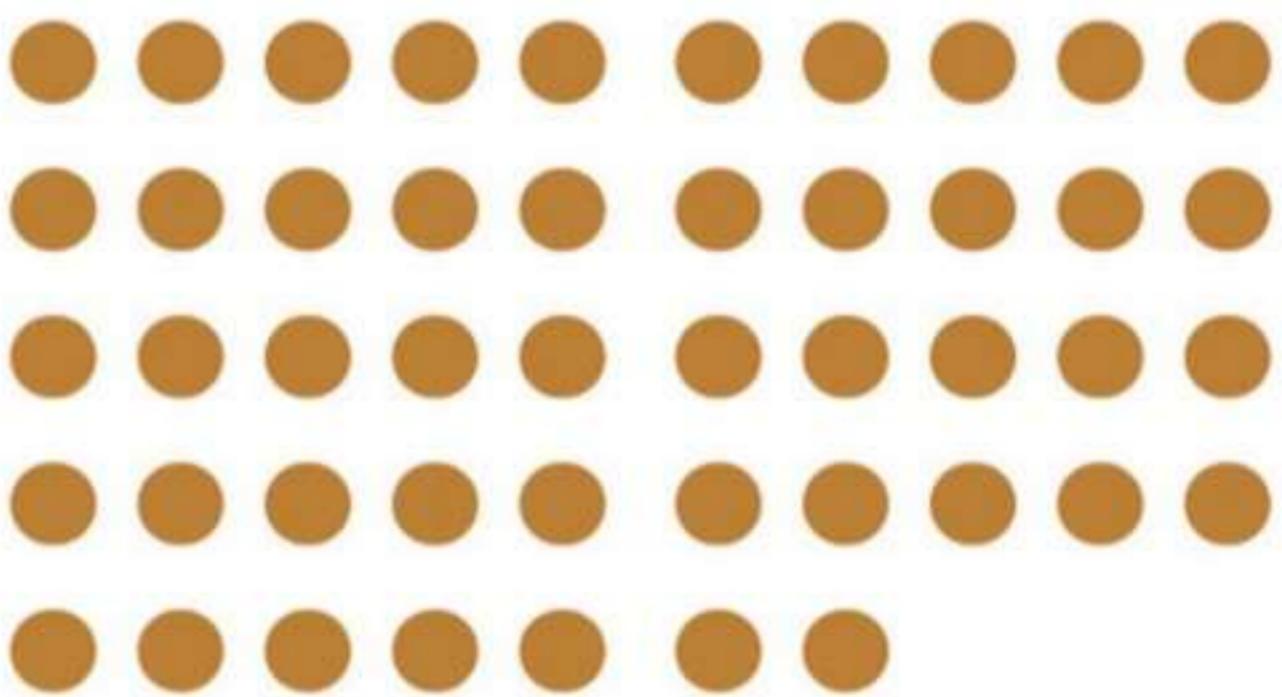
Thirty means
three tens.

So, thirty-five
means three tens
and five!

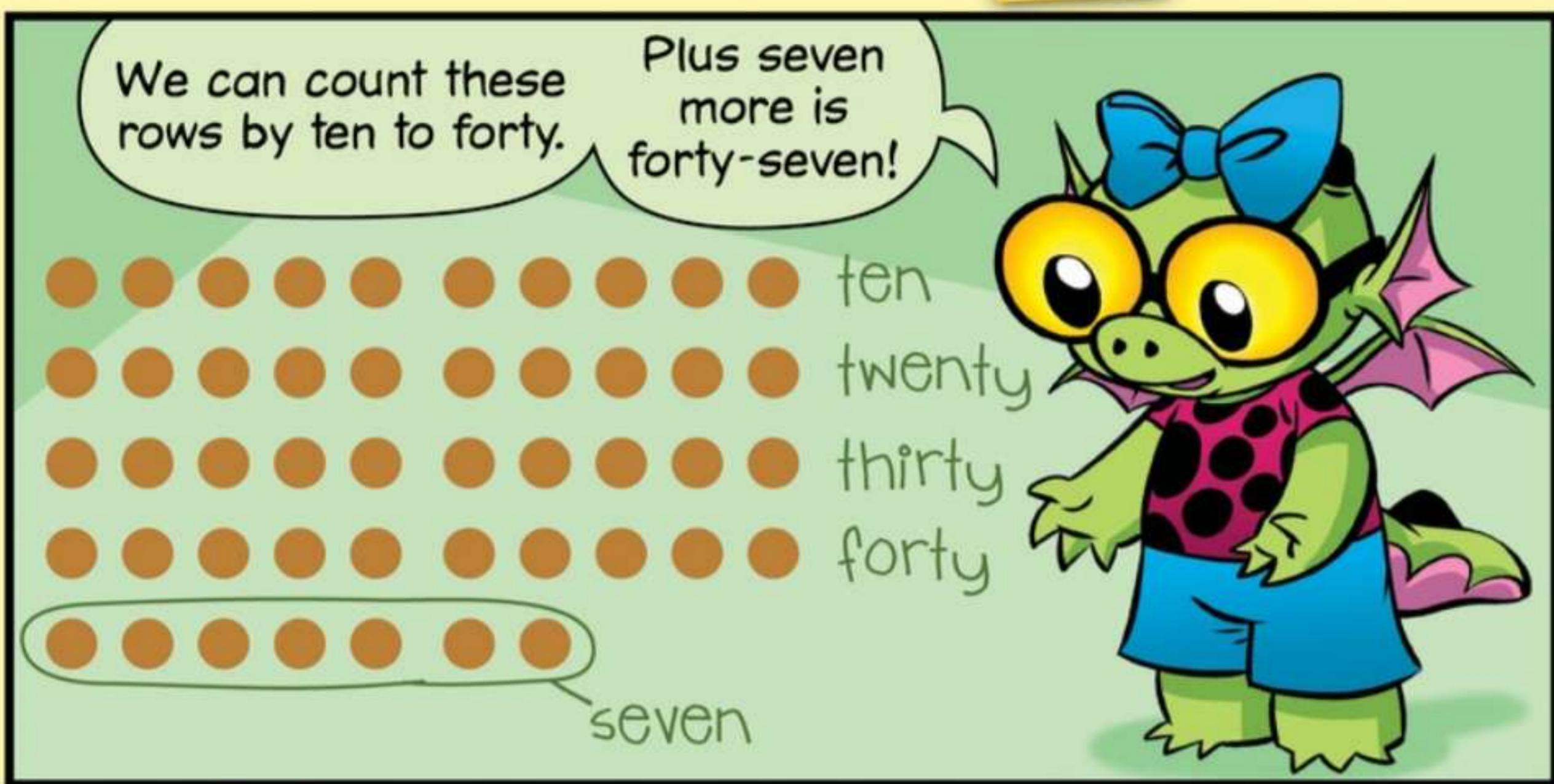
Right, and when you
think of it that way, it
makes counting with
groups of ten easier.



Try it!
How many
magnets
are on the
board?



How
many?



20 to 100 by Alex

20	Twenty
21	Twenty-one
22	Twenty-two
23	Twenty-three
24	Twenty-four
25	Twenty-five
26	Twenty-six
27	Twenty-seven
28	Twenty-eight
29	Twenty-nine
30	Thirty
31	Thirty-one
32	Thirty-two
33	Thirty-three
34	Thirty-four
35	Thirty-five
36	Thirty-six
37	Thirty-seven
38	Thirty-eight
39	Thirty-nine
40	Forty
41	Forty-one
42	Forty-two
43	Forty-three
44	Forty-four
45	Forty-five
46	Forty-six
47	Forty-seven
48	Forty-eight
49	Forty-nine
50	Fifty
51	Fifty-one
52	Fifty-two
53	Fifty-three
54	Fifty-four
55	Fifty-five
56	Fifty-six
57	Fifty-seven
58	Fifty-eight
59	Fifty-nine
60	Sixty
61	Sixty-one
62	Sixty-two
63	Sixty-three
64	Sixty-four
65	Sixty-five
66	Sixty-six
67	Sixty-seven
68	Sixty-eight
69	Sixty-nine
70	Seventy
71	Seventy-one
72	Seventy-two
73	Seventy-three
74	Seventy-four
75	Seventy-five
76	Seventy-six
77	Seventy-seven
78	Seventy-eight
79	Seventy-nine
80	Eighty
81	Eighty-one
82	Eighty-two
83	Eighty-three
84	Eighty-four
85	Eighty-five
86	Eighty-six
87	Eighty-seven
88	Eighty-eight
89	Eighty-nine
90	Ninety
91	Ninety-one
92	Ninety-two
93	Ninety-three
94	Ninety-four
95	Ninety-five
96	Ninety-six
97	Ninety-seven
98	Ninety-eight
99	Ninety-nine
100	One hundred