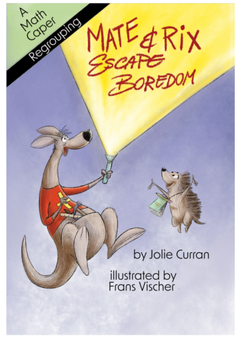
Mate & Rix

BIG

Number Addition



★★★★★

Mate and Rix Escape Boredom
Common Core math standards 2.NBT.5.

Background for teachers, parents, and caregivers

There are various methods people use for multi-digit addition. One of these methods is called the partial-sums method. It is the method Mate and Rix use in the book.

Students learn to:

- Identify the place value of digits in the numbers
- Write numbers in expanded notation
- Visualize the construction of multi-digit numbers

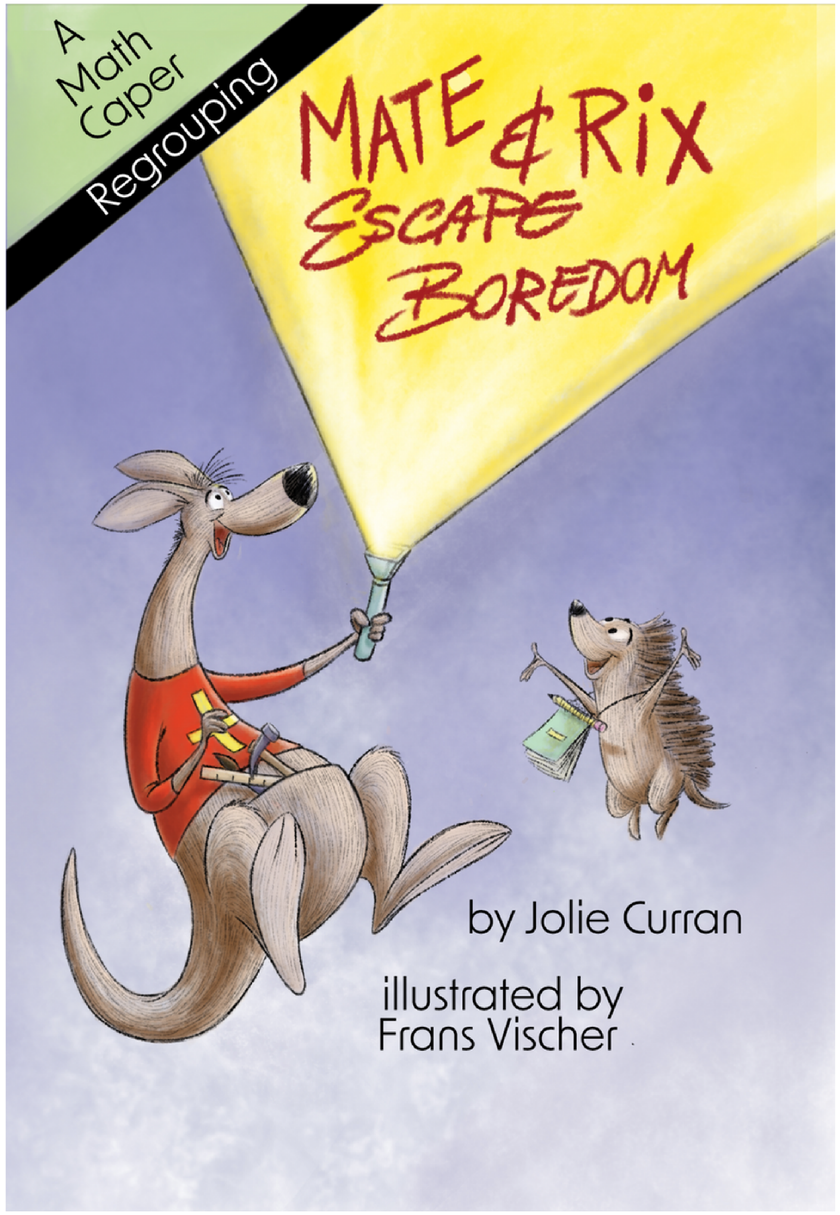
How the partial-sums addition strategy works

The partial-sums addition algorithm works by calculating one place value column at a time. Then, adding up those partial-sums to calculate the total. This is a flexible method. Students may perform this method left-to-right or right-to-left and compute the correct total.

Find 29 + 47	Ten	Ones
	2	9
	+ 4	7
Add the tens: 20 + 40 =	6	0
Add the ones: 9 + 7 =	+ 1	6
Add the partial sums =	7	6
So, 29 + 47 = 76		

What about the traditional mathematics approach of 'carry the one'?

When computing a sum, if the numbers are greater than 9 in a given place value column that larger value is accounted for by writing a 'one' in the column to the left. This strategy can be difficult for students to comprehend at first. That is why the partial-sums strategy helps students get the foundation they need to succeed before using the shortcut of ‘carrying the one.’



Read Our Book

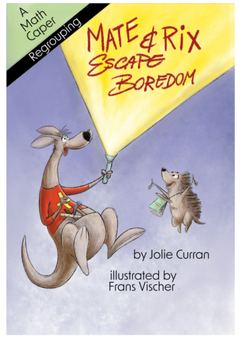
A boring night at the pet store turns into a night of fun when Mate and Rix build a fort using addition with regrouping.

Get It Today

Mate & Rix

BIG

Number Addition



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Mate and Rix Escape Boredom

Common Core math standards 2.NBT.5.

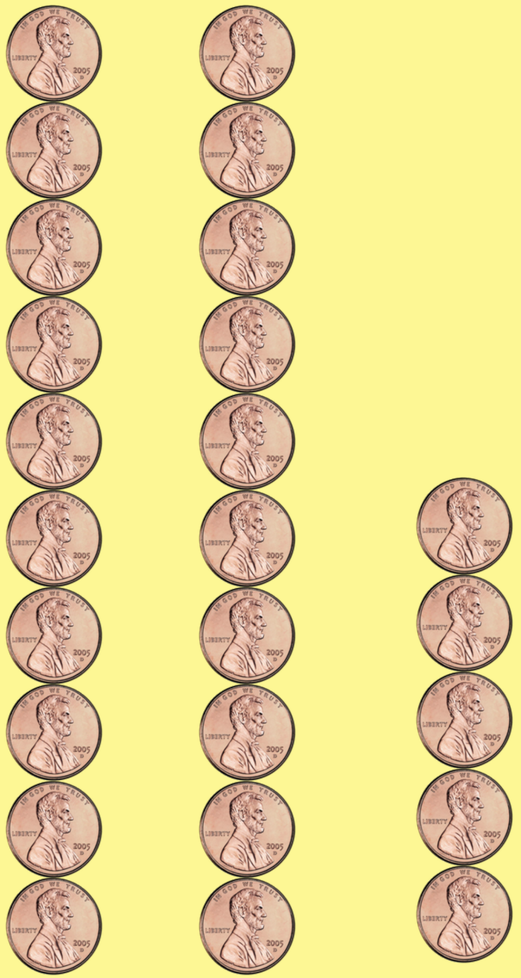
"Rix, I found more pennies for our fort!"

"How many pennies did you find, Mate?"

"I found 10 and 7.
That is 17."

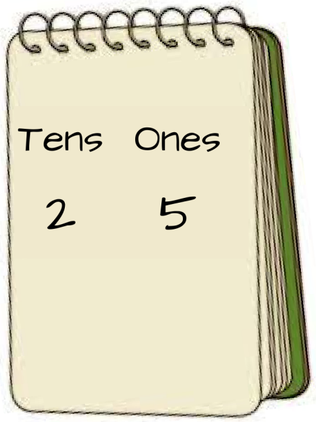
1 7

Tens	Ones
1	7



2 5

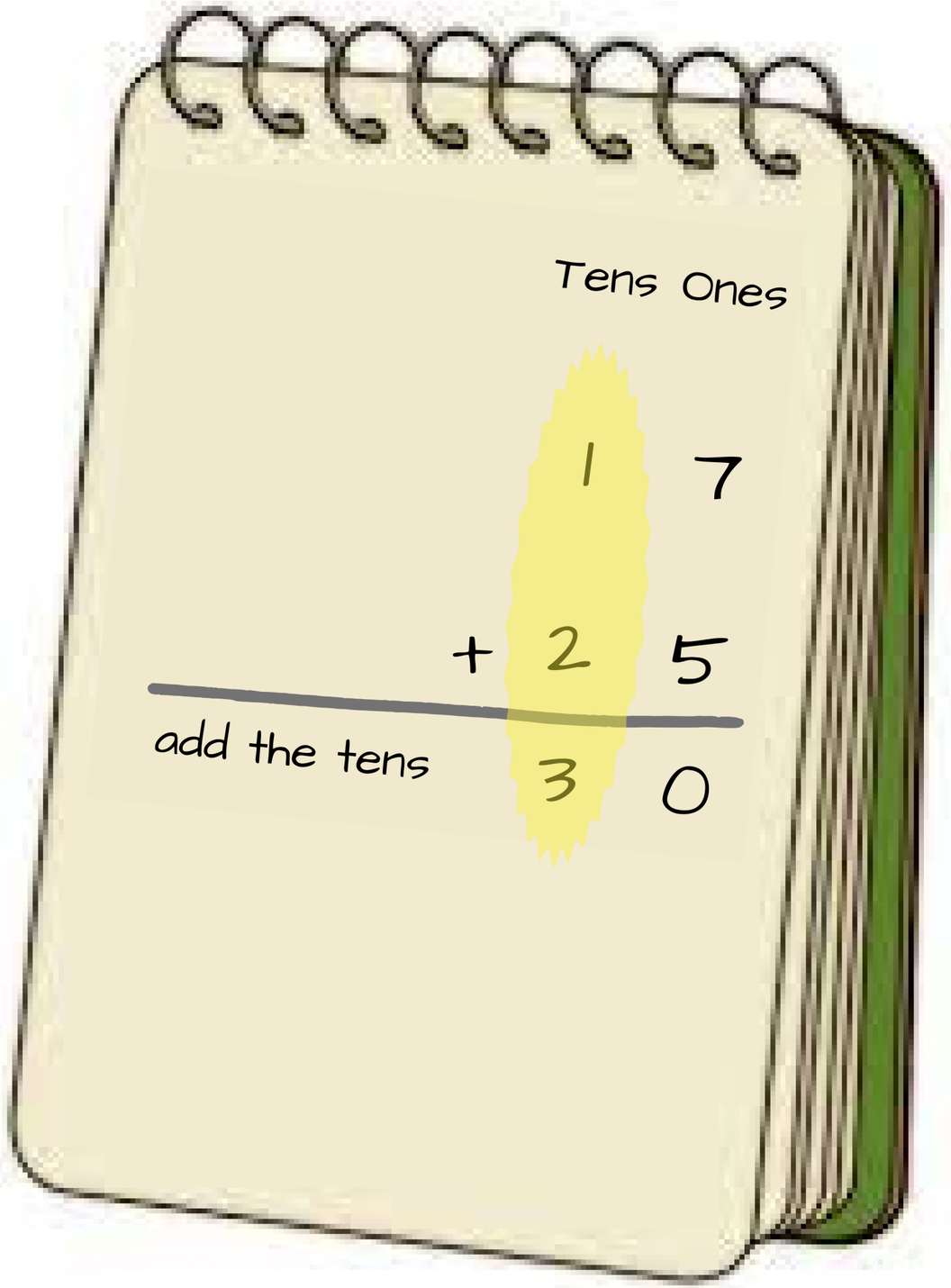
"I have 20 and 5. That's 25."



"Mate, let's see how much we have together."

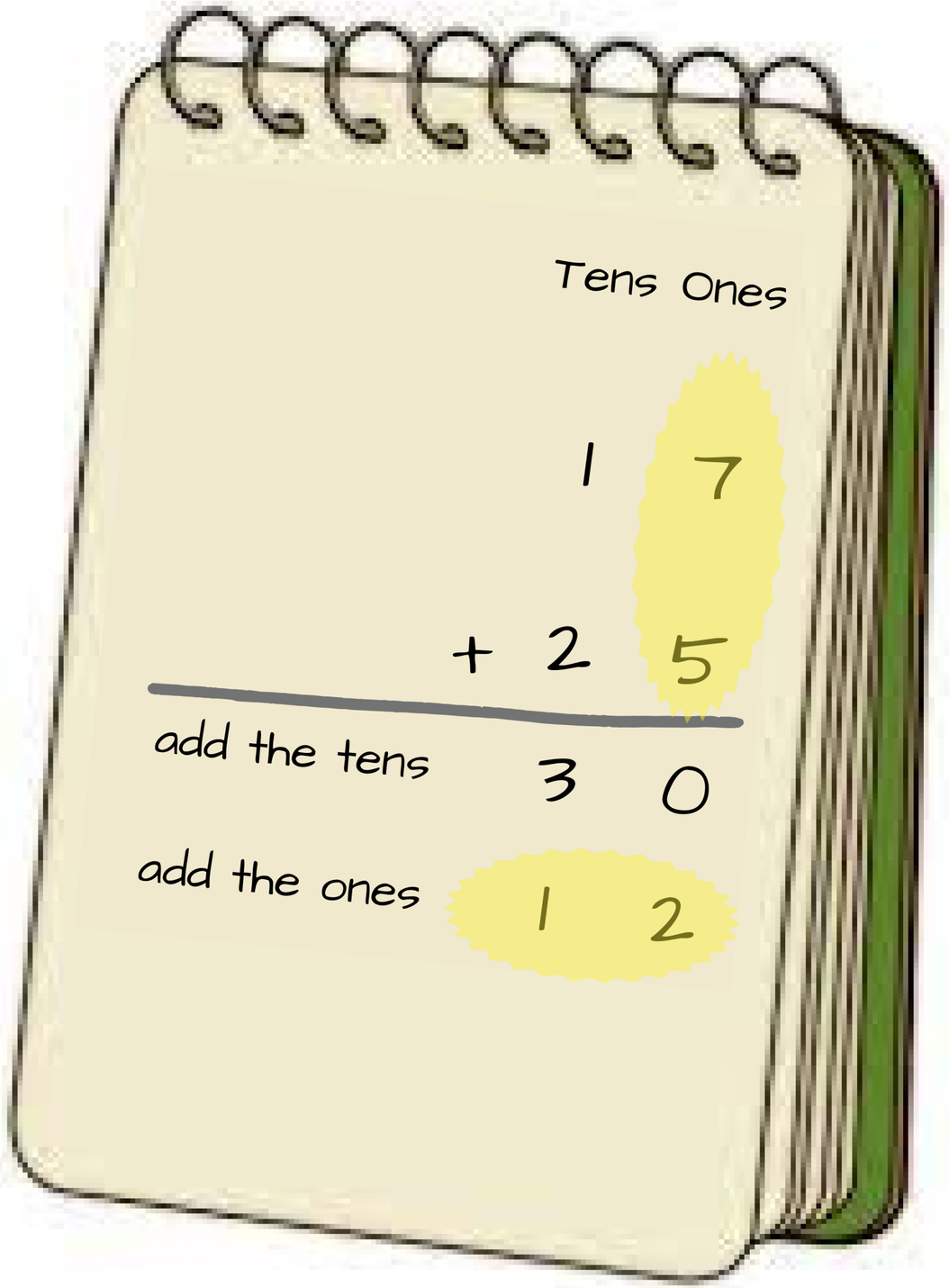
"Add the tens, first."

"Ten plus twenty equals thirty"



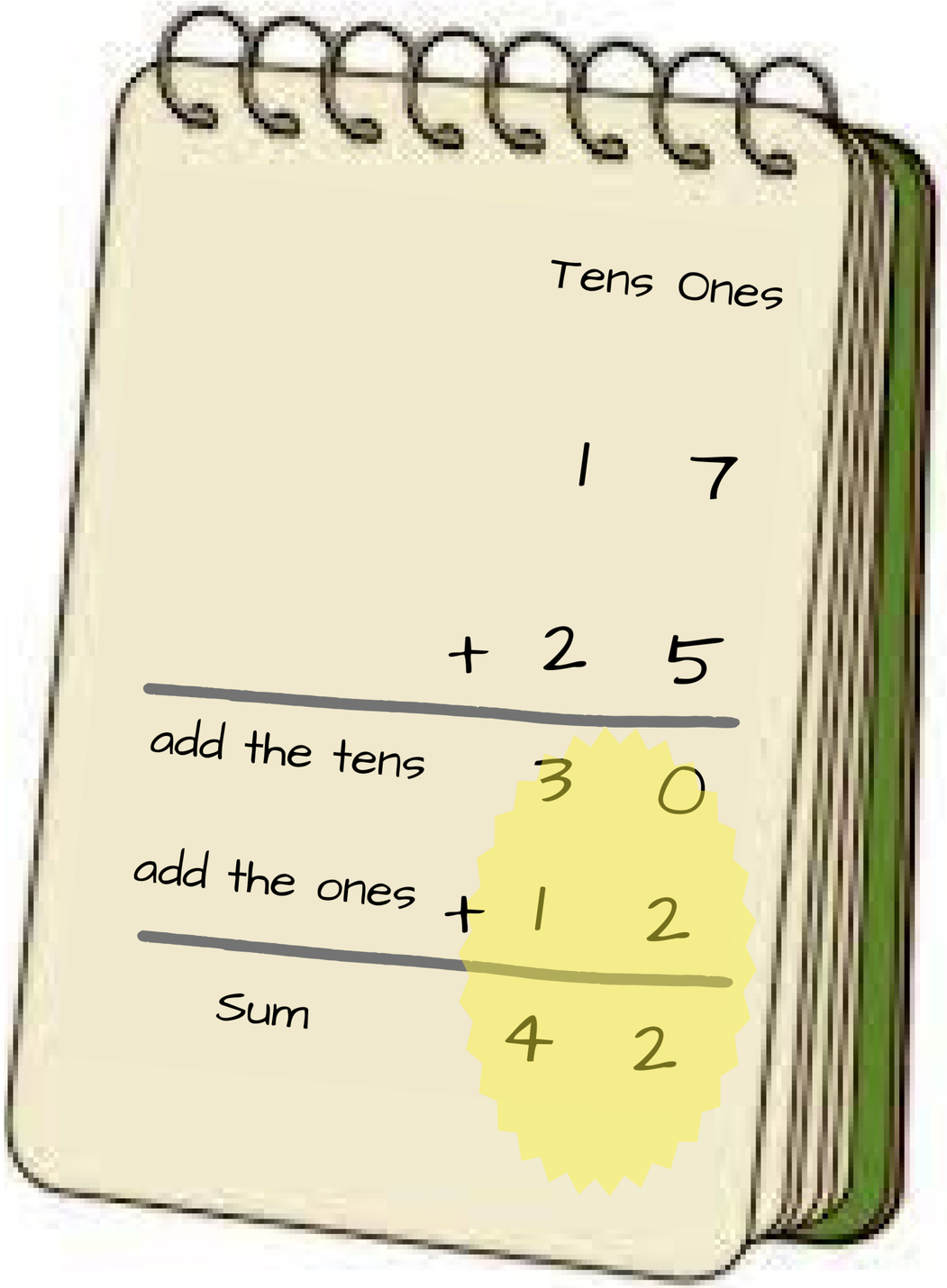
"Next, add the ones."

"Seven plus five equals twelve."



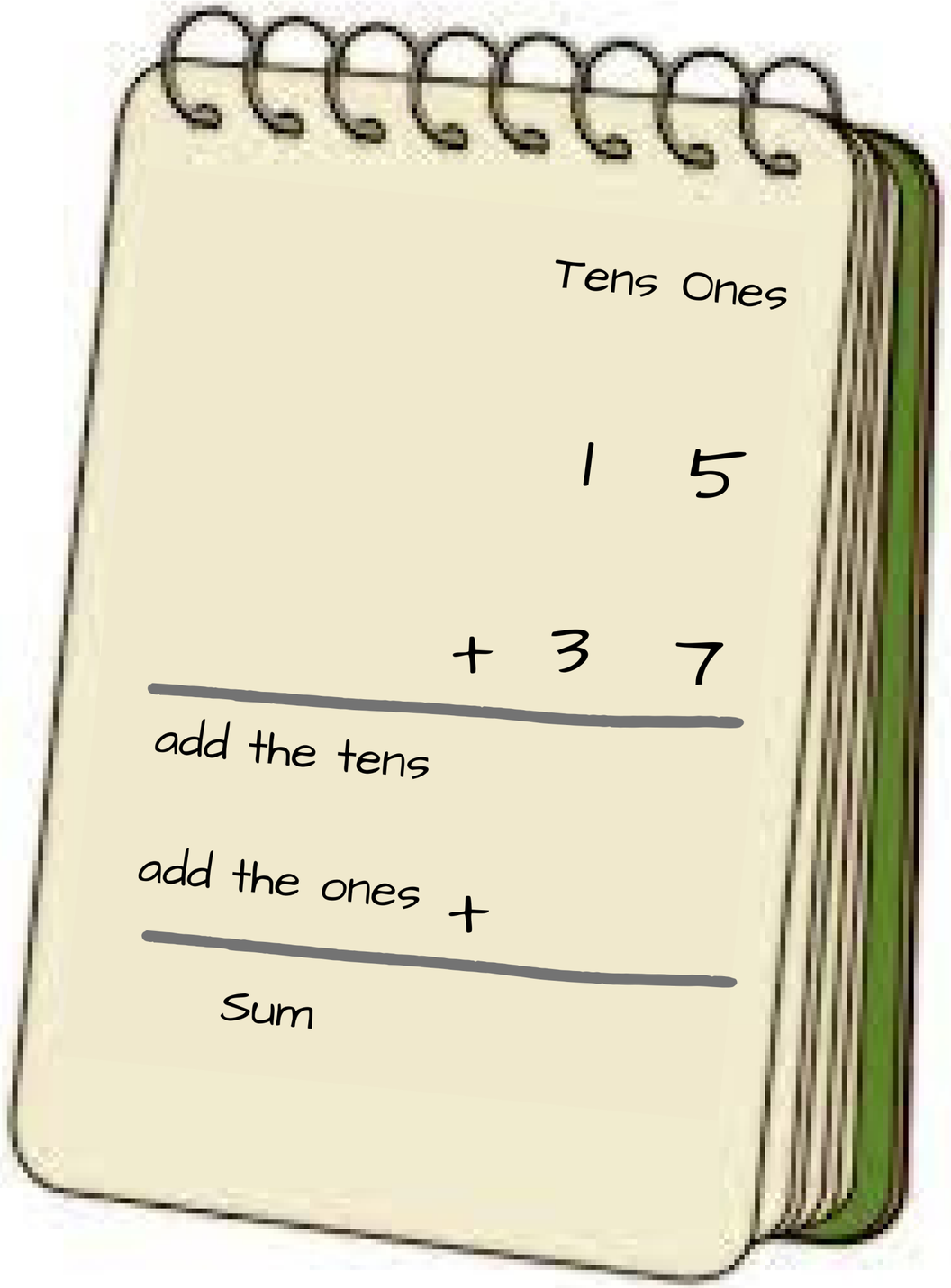
"Now add the partial sums."

"Thirty plus twelve equals forty-two."

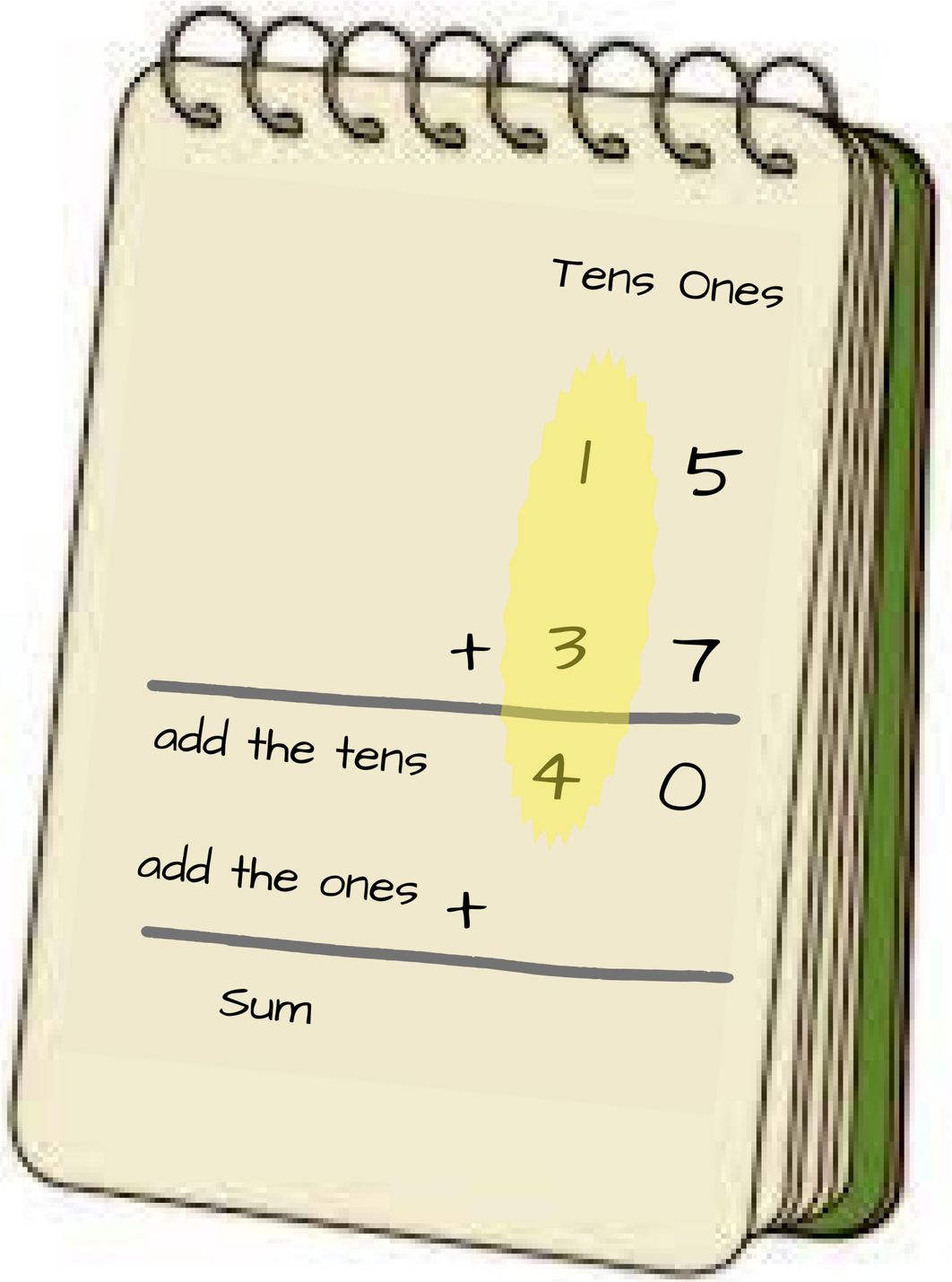


"We're rollin' in 42 pennies!"

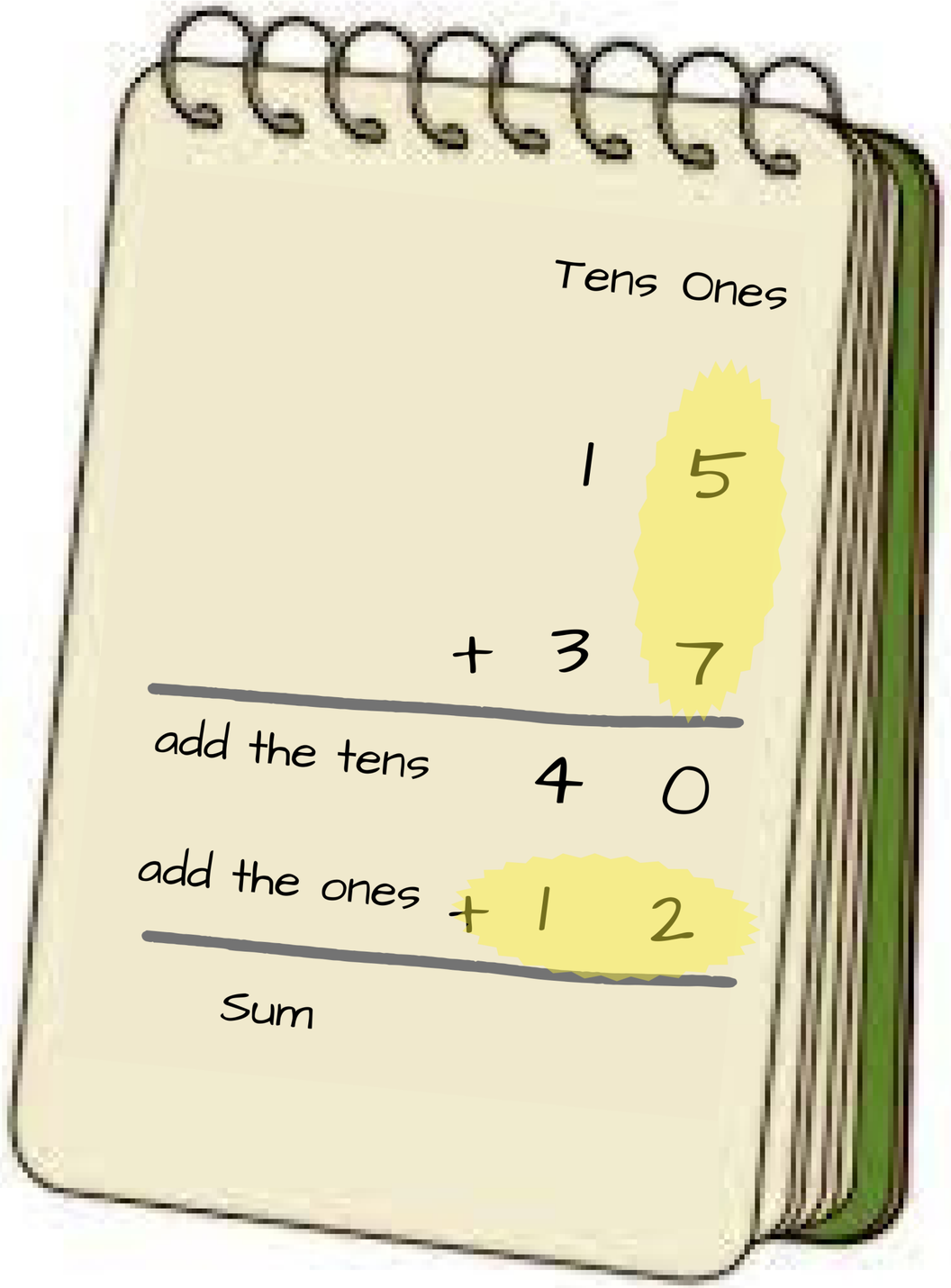
"Now it's your turn."



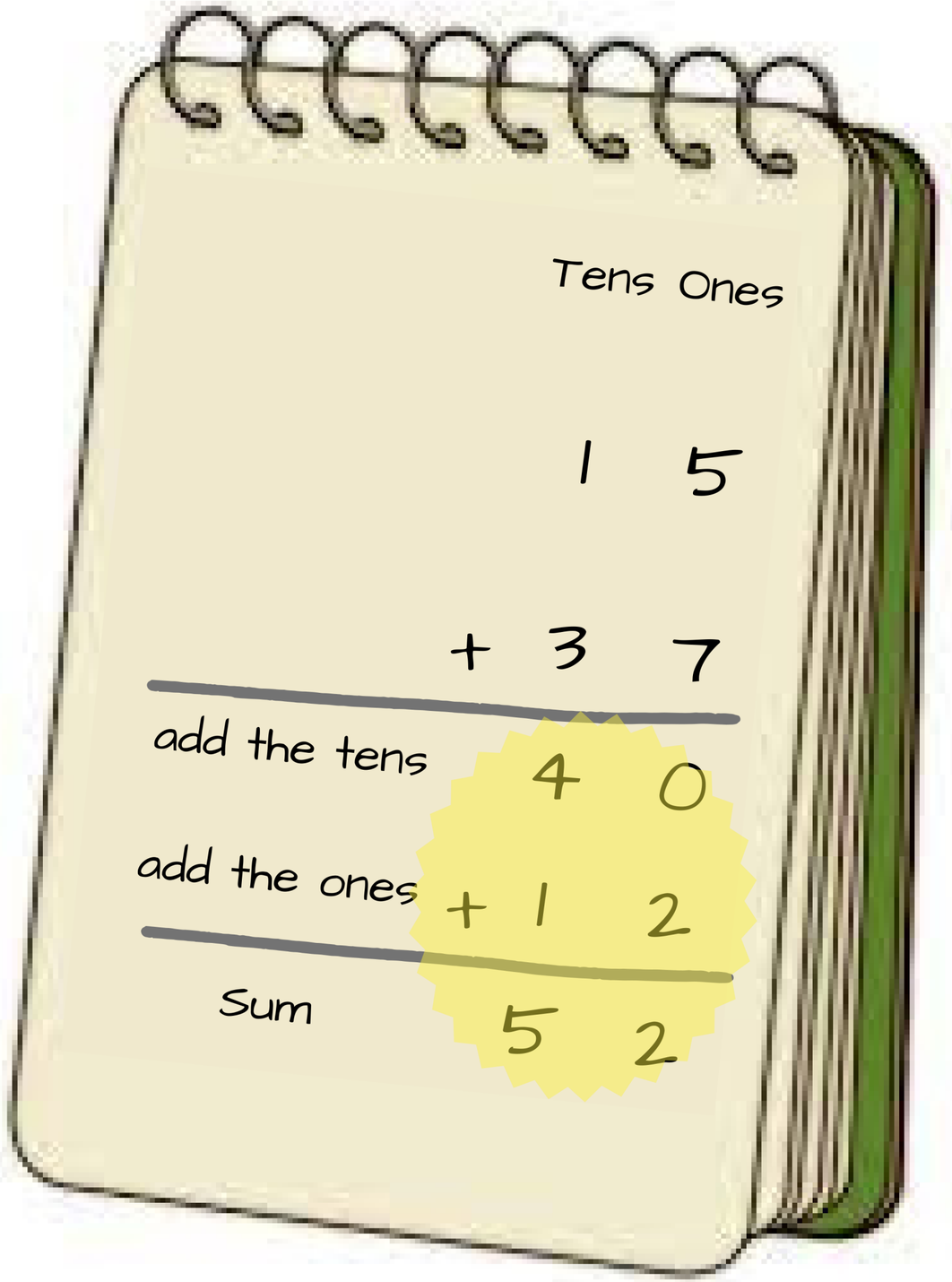
"How'd adding the tens go?"



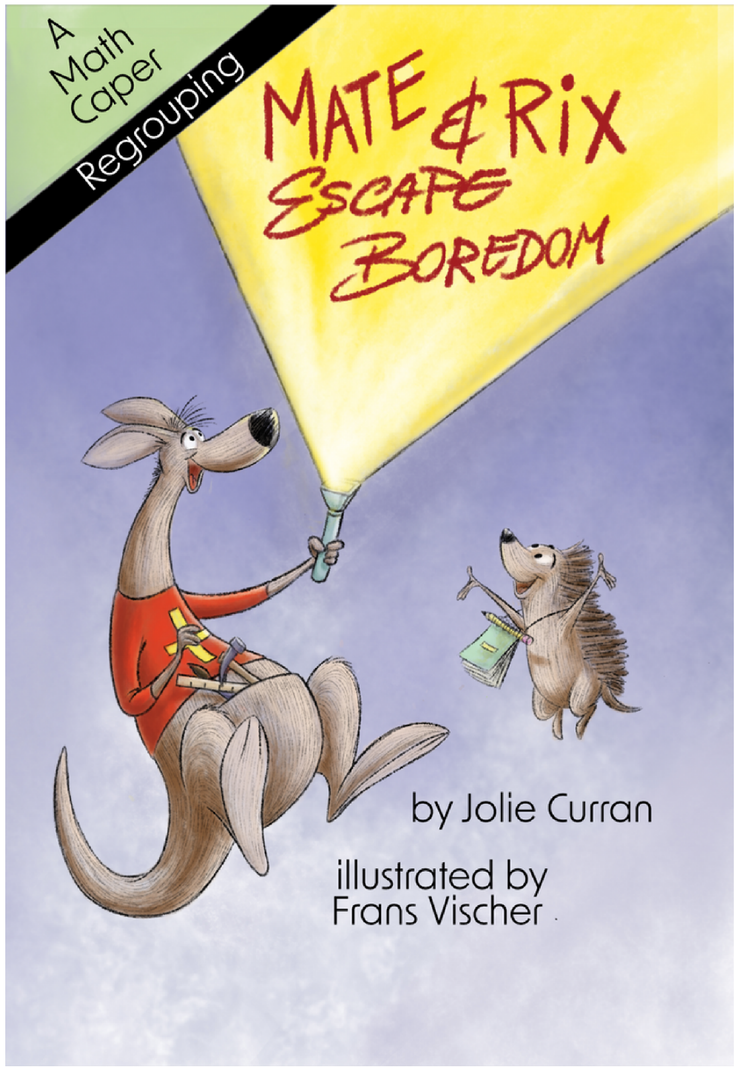
"Did you add the ones?"



"How'd adding the partial sums go?"



"Yay! They are learning with us!"



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"They want our book, Rix!"

"Yay! More math friends."

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