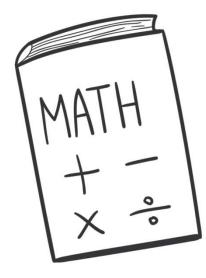
ADDITION AND SUBTRACTION

Number Line Word Problems LESSON 7

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TAKE OUT YOUR



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Today, we will solve addition and subtraction word problems using number lines.

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Today we are going to solve word problems using 4 steps.



Think about the word problem.



Create an equation based on the problem.



Solve the equation.



Answer the word problem.

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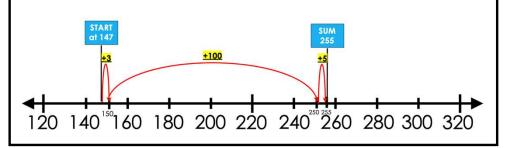
Remember...

We can use number lines to solve addition and subtraction problems.

Adding with Number Lines

When we use number lines to add, we start at the largest addend and use the smaller addend to count up to find the sum.

108 + 147 = ?



Subtracting with Number Lines

When we use number lines to subtract, we start at the subtrahend and count up to the minuend to find the difference.

$$450 - 172 = ? \qquad 172 + ? = 450$$

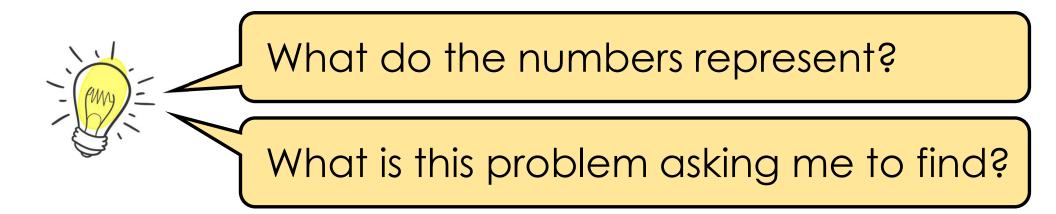
$$450 - 172 = 200 250 300 350 400 450 500 550 600$$

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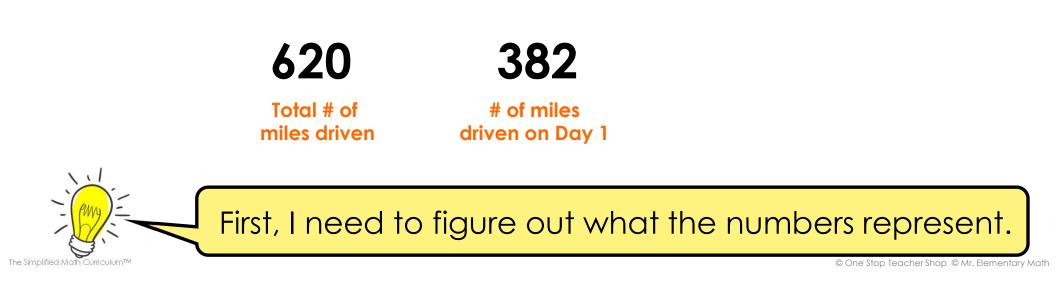


Maggie took a two-day trip to New York, which was 620 total miles. The first day she drove 382 miles. How many miles did she drive the second day?





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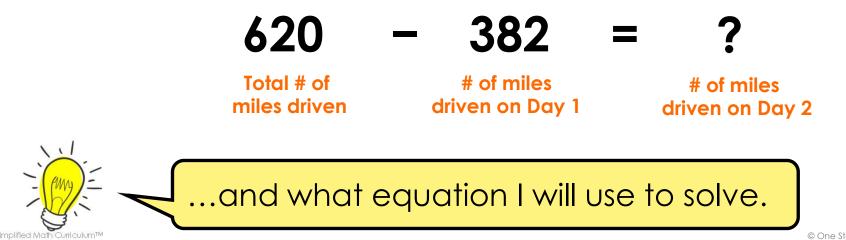
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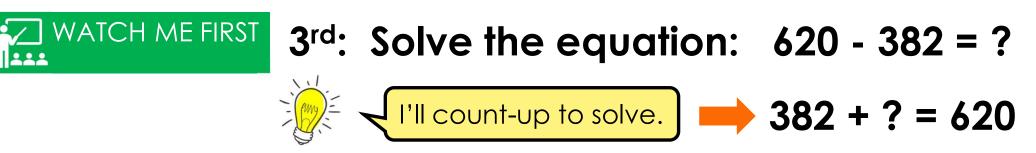




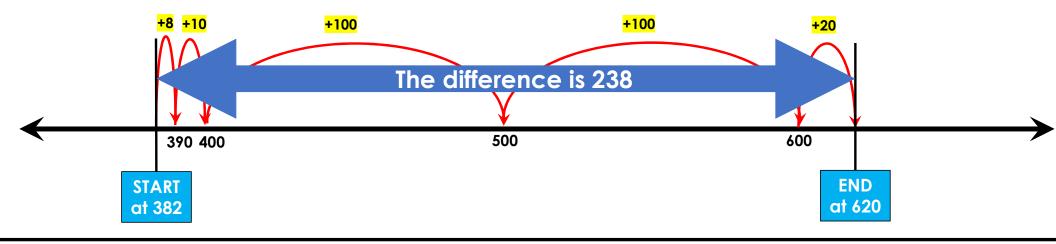
2nd: Create an equation

Maggie took a two-day trip to New York, which was 620 total miles. The first day she drove 382 miles. How many miles did she drive the second day?





There are many ways to make jumps to solve this problem. This is just one example.



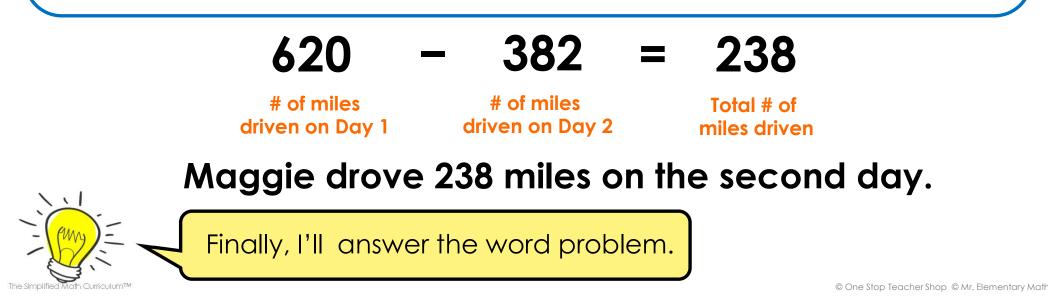
Combine Jumps to Find the Difference

100 + 100 + 20 + 10 + 8 = 238

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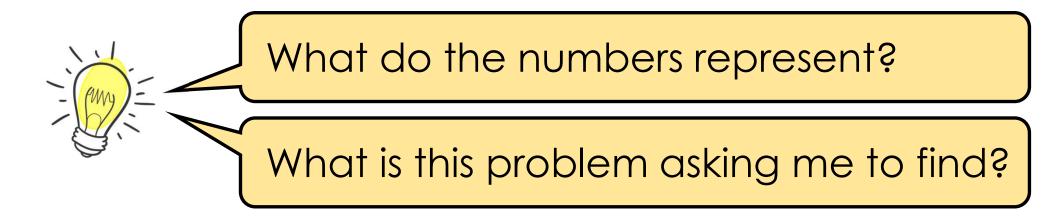




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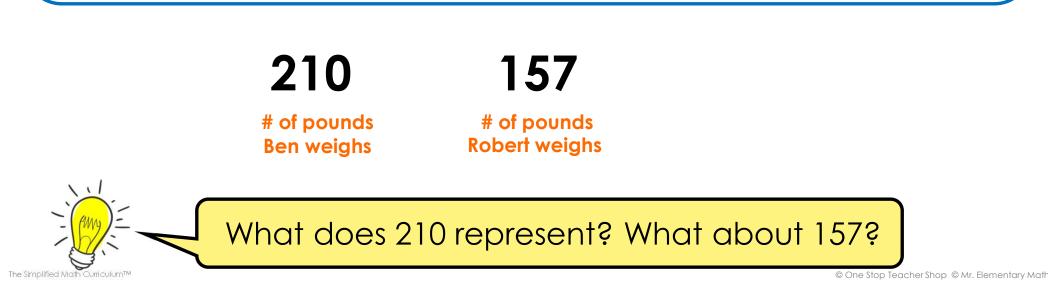


Ben weighs 210 pounds. His brother Robert weighs 157 pounds. What is their total weight?



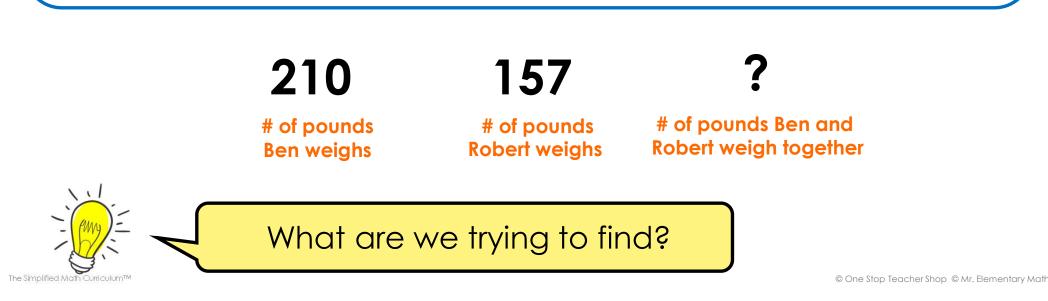


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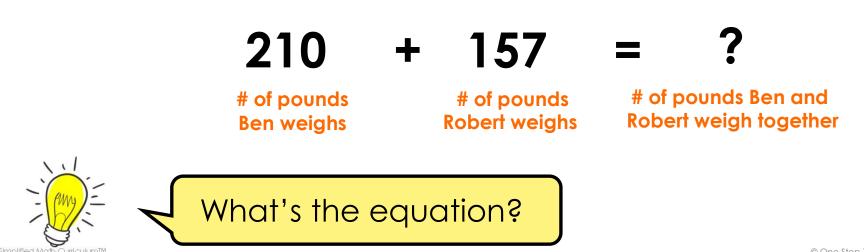


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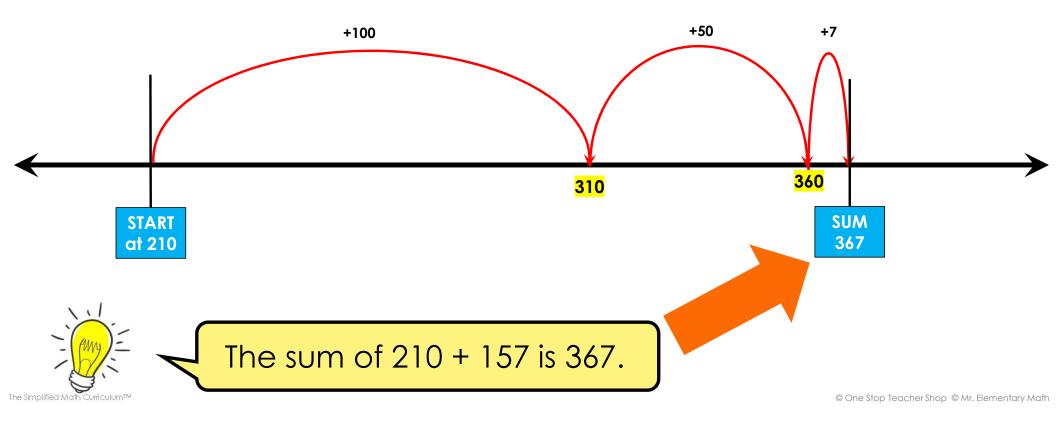


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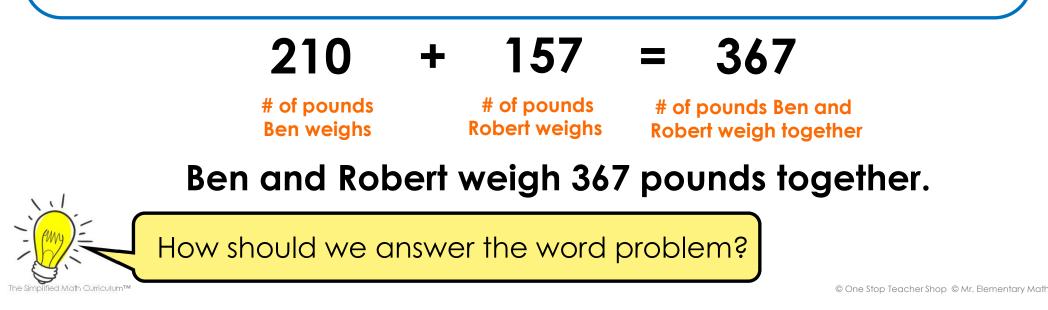


There are many ways to decompose 157 to make jumps. This is just one example.





Ben weighs 210 pounds. His brother Robert weighs 157 pounds. What is their total weight?

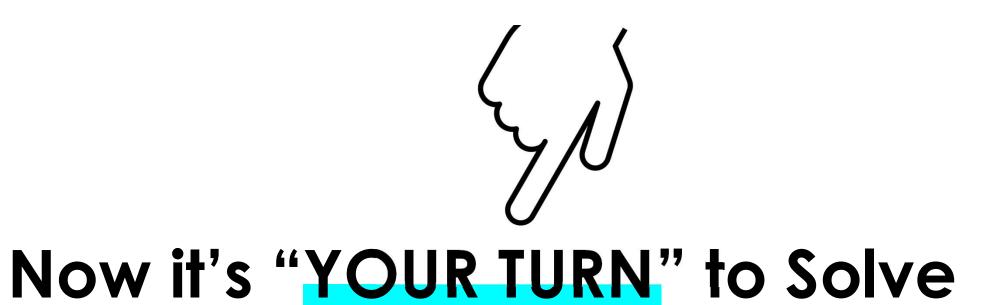


CHECK - IN

 What did you notice?
 Can you make a connection to anything else you already know? How?
 Do you have any questions?

IT'S YOUR TURN

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Don't forget to explain your thinking!

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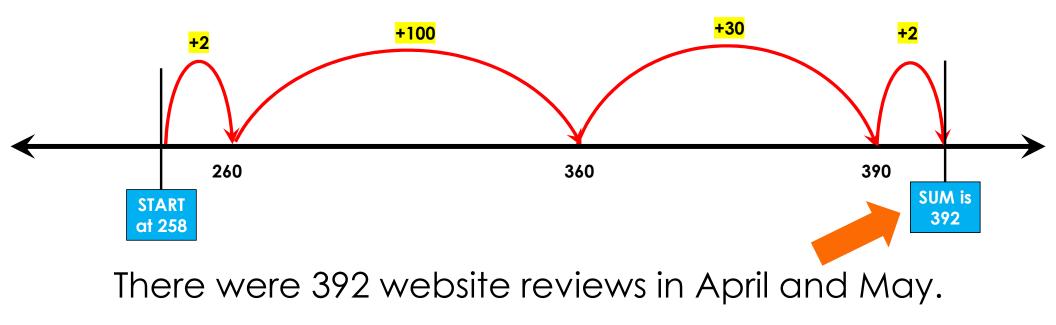


Lisa's online jewelry shop received 134 reviews in April. In May, 258 reviews were left. How many reviews did the website have in April and May?



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There are many ways to decompose 134 to make jumps. This is just one example.



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Jackie has 300 marbles. 85 of the marbles are in a jar on her desk. The rest of the marbles are in a shoebox under her bed.

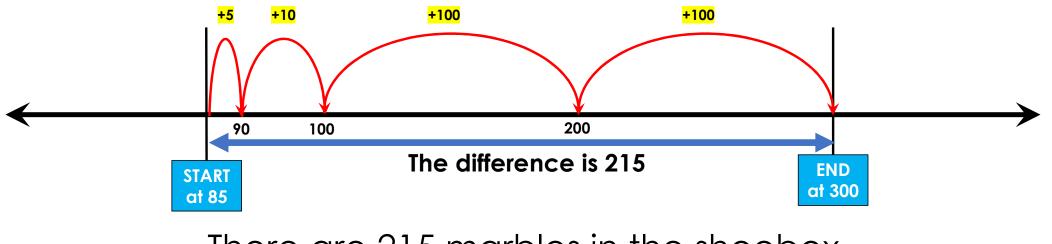
How many marbles are inside the shoebox?

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Jackie has 300 marbles. 85 of the marbles are in a jar on her desk. The rest of the marbles are in a shoebox under her bed. How many marbles are inside the shoebox?

There are many ways to make jumps to solve this problem. This is just one example.



There are 215 marbles in the shoebox.



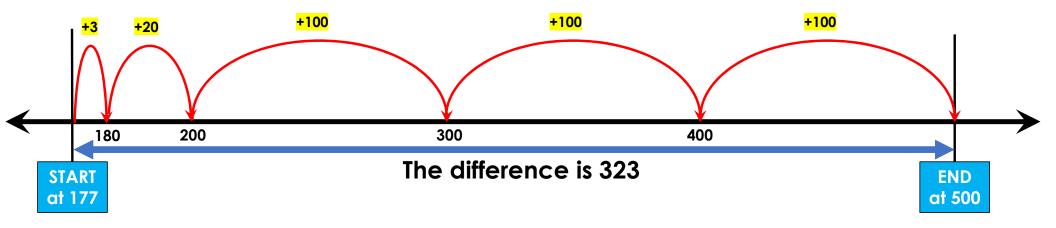
Sweety Pie Bakery made 500 pies to sell for Thanksgiving. On Monday, they baked 177 pies. They baked the rest of the pies on Tuesday. How many pies did they bake Tuesday?



500 − 177 = 323 → 177 + **323** = 500

Sweety Pie Bakery made 500 pies to sell for Thanksgiving. On Monday, they baked 177 pies. They baked the rest of the pies on Tuesday. How many pies did they bake Tuesday?

There are many ways to make jumps to solve this problem. This is just one example.



Sweety Pie Bakery made 323 pies on Tuesday.

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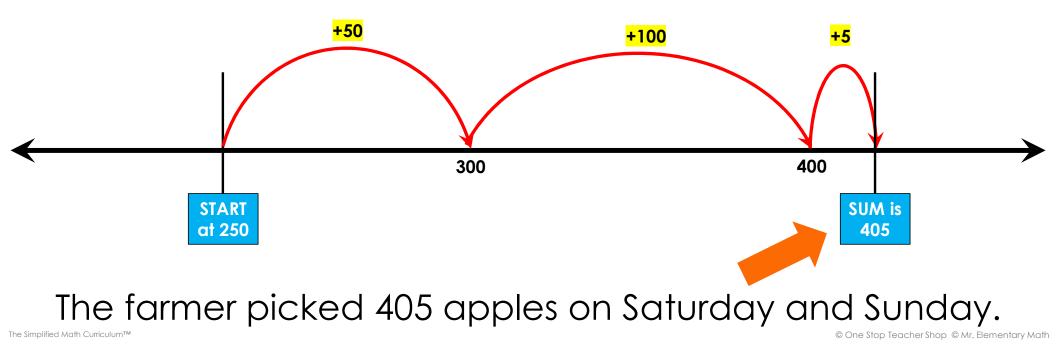
A farmer picked 250 Gala apples on Saturday. She picked 155 Granny Smith apples on Sunday. How many apples did she pick on Saturday and Sunday?



250 + 155 = 405

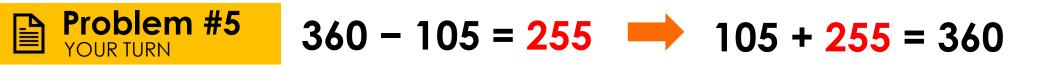
A farmer picked 250 Gala apples on Saturday. She picked 155 Granny Smith apples on Sunday. How many apples did she pick on Saturday and Sunday?

There are many ways to decompose 155 to make jumps. This is just one example.



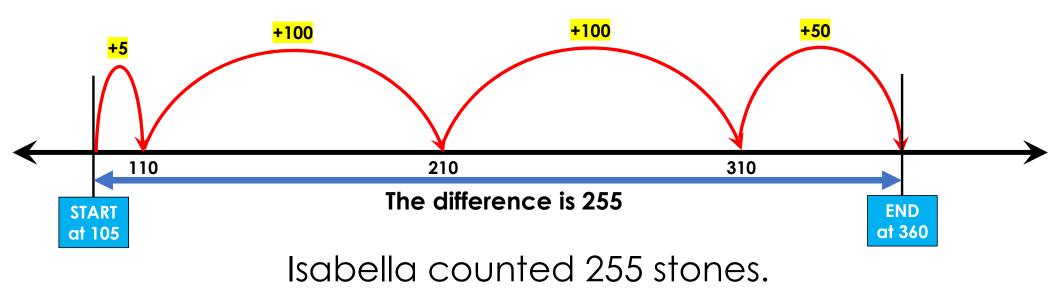


While walking on a nature trail, Maria counted 360 stones. She counted 105 more stones than her sister, Isabella. How many stones did Isabella count?



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Chase has 455 football cards. Hector has 139 fewer cards than Chase. How many football cards does Hector have?

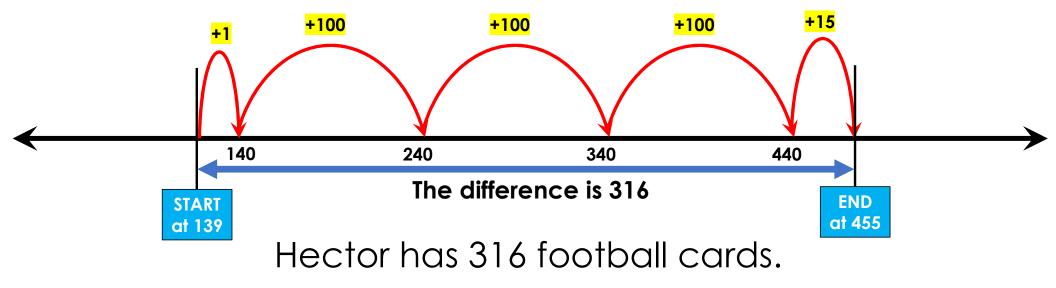
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455 − 139 = 316 → 139 + **316** = 455

Chase has 455 football cards. Hector has 139 fewer cards than Chase. How many football cards does Hector have?

There are many ways to make jumps to solve this problem. This is just one example.



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