ADDITION AND SUBTRACTION

EXPANDED FORM ADDITION

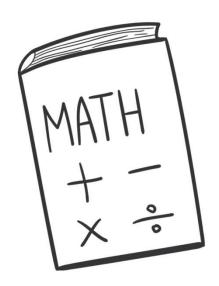
LESSON 3

TODAY'S OBJECTIVE

Today, we will add 3-digit numbers using expanded form.

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TAKE OUT YOUR MATH JOURNALS





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Today we are going to use expanded form to add numbers.

$$252 + 268 = ?$$

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Expanded form is a way we can write a number by adding the place value of its digits.

Using expanded form can help us add numbers that have multiple digits.

$$483 = 400 + 80 + 3$$



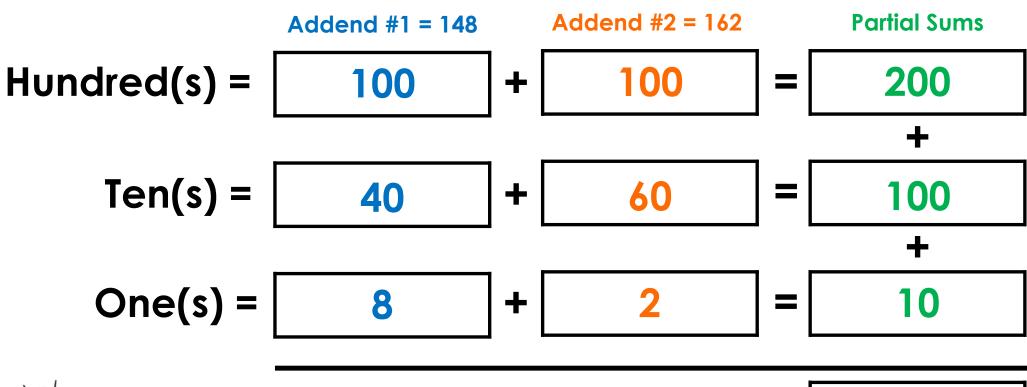
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second addend.







Now, I'll add the place value of each digit to get partial sums.

Total Sum =



Hundred(s) =
$$100$$
 + 100 = 200 + 100 = 100 + 100 = 100 + 100 = 100 + 100 = 100 + 100 = 100 + 100 = 100 +

- Comp =

Finally, I'll add all of the partial sums to get the total sum.

Total Sum =

310



LET'S WORK TOGETHER

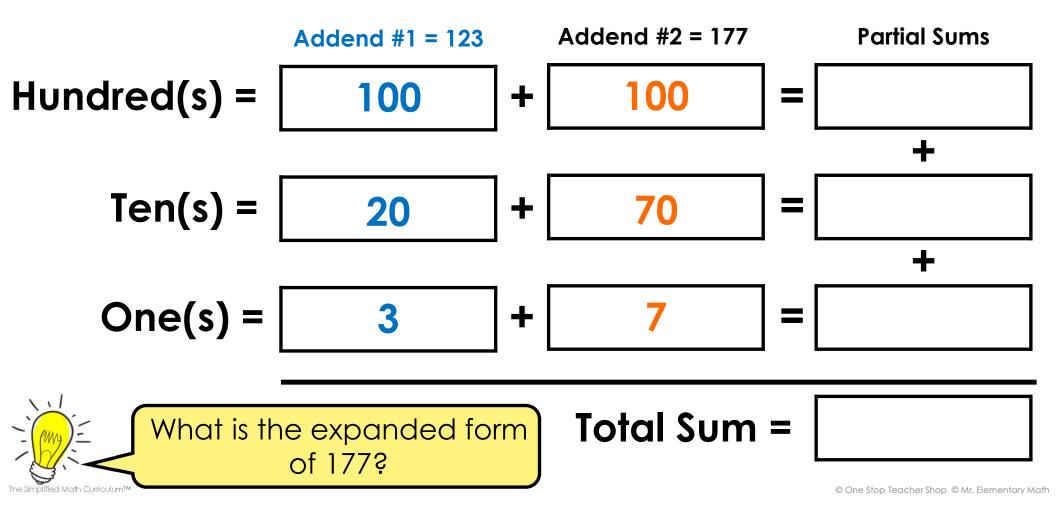
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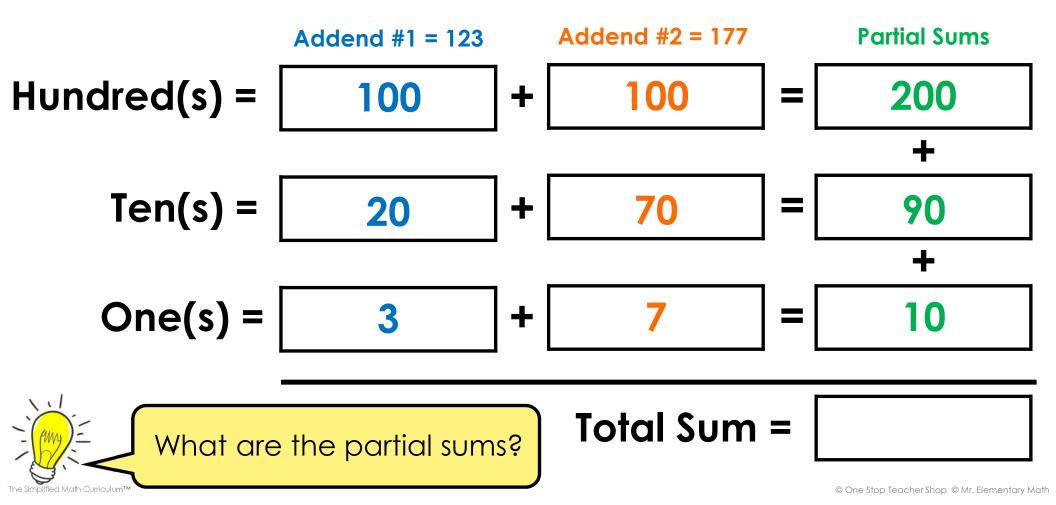


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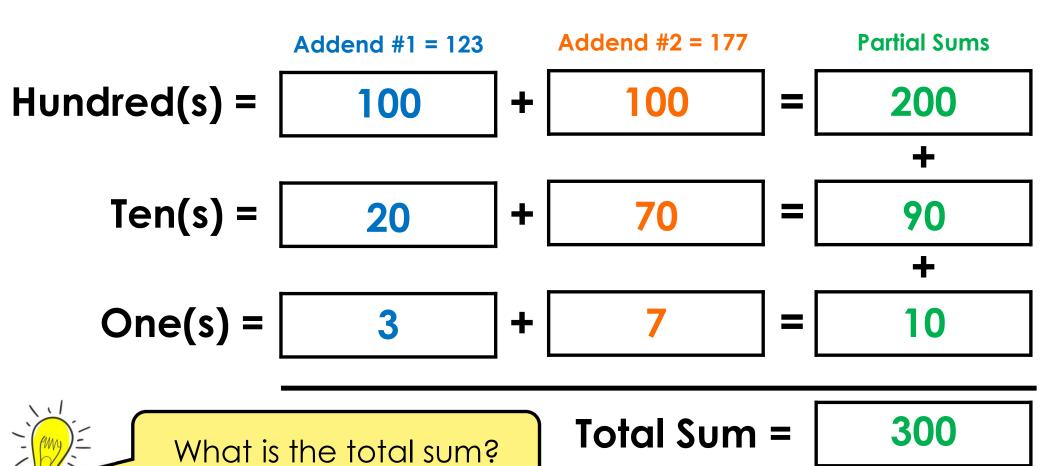












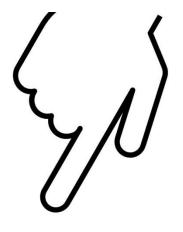
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CHECK - IN

- ☐ 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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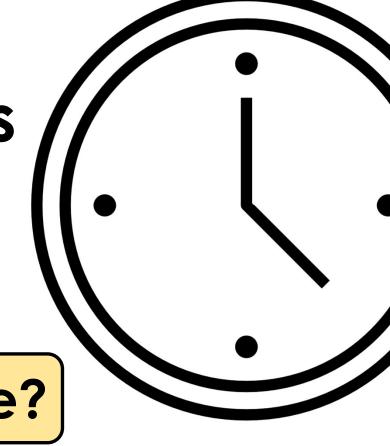
Now it's "YOUR TURN" to Solve



Don't forget to explain your thinking!

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Time to Discuss and Check Your Answers





How did you solve?





Total Sum =

Hundred(s) =
$$300$$
 + 300 = 600 + 140 + 150 One(s) = 7 + 8 = 15

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755

Hundred(s) =
$$\begin{bmatrix} 400 \\ + \end{bmatrix} = \begin{bmatrix} 400 \\ + \end{bmatrix} = \begin{bmatrix}$$

Total Sum =

Hundred(s) =
$$\begin{bmatrix} 500 \\ + \\ 200 \\ + \end{bmatrix}$$
 + $\begin{bmatrix} 700 \\ + \\ 4 \\ \end{bmatrix}$ Ten(s) = $\begin{bmatrix} 50 \\ + \\ 4 \end{bmatrix}$ + $\begin{bmatrix} 4 \\ + \\ 110 \\ + \\ 110 \\ \end{bmatrix}$

821

Hundred(s) =
$$100$$
 + 400 = 500 + 100 +

Total Sum =

Hundred(s) =
$$\begin{vmatrix} 400 \\ + \end{vmatrix} = 449 \begin{vmatrix} 400 \\ + \end{vmatrix} = 200 \end{vmatrix} = \begin{vmatrix} 600 \\ + \end{vmatrix}$$

Ten(s) = $\begin{vmatrix} 40 \\ + \end{vmatrix} = 40 \begin{vmatrix} 40 \\ + \end{vmatrix} = 40$

722

Total Sum =

Total Sum =

Hundred(s) =
$$200$$
 + 600 = 800 + 100 +

853

