

Add Two Three-digit Numbers- Not Crossing 10 or 100

3




Fluency & Reasoning Teaching Slides

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Add Two Three-digit Numbers – Not Crossing 10 or 100

Activity 1

Complete the calculation.

Hundreds	Tens	Ones
		
		

_____ + _____ = _____

Add Two Three-digit Numbers

– Not Crossing 10 or 100

Activity 1

Complete the calculation.



Hundreds	Tens	Ones
		
		

$$\begin{array}{r} 341 \\ + \quad 628 \\ \hline \end{array} = \begin{array}{r} 969 \\ \hline \end{array}$$

Add Two Three-digit Numbers – Not Crossing 10 or 100

Activity 2

Complete the calculation.

Hundreds	Tens	Ones
		
		

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Add Two Three-digit Numbers – Not Crossing 10 or 100

Activity 2

Complete the calculation.

Hundreds	Tens	Ones
		
		

$$\begin{array}{r} 263 \\ + 334 \\ \hline \end{array} = \begin{array}{r} 597 \\ \hline \end{array}$$

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Activity 3

Use column addition to work out the answers.

Seven hundred and thirty-two plus one hundred and sixteen

Forty-seven plus five hundred and twenty-one

Five hundred and thirty-four plus twelve

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Activity 3

Use column addition to work out the answers.

Seven hundred and thirty-two plus one hundred and sixteen

	H	T	O
	7	3	2
+	1	1	6
	8	4	8

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Activity 3

Use column addition to work out the answers.

Forty-seven plus five hundred and twenty-one

	H	T	O
		4	7
+	5	2	1
	5	6	8

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Activity 3

Use column addition to work out the answers.

Five hundred and thirty-four plus twelve

	H	T	O
	5	3	4
+		1	2
<hr/>			
	5	4	6

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Activity 4

Use column addition to work out the answers.

$$45 + 214$$

$$326 + 53$$

$$864 + 31$$

$$275 + 21$$



Why is it important that we line up the numbers correctly?

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Activity 4

Use column addition to work out the answers.

$$45 + 214$$

	H	T	O
		4	5
+	2	1	4
	3	5	9

$$326 + 53$$

	H	T	O
	3	2	6
+		5	3
	3	7	9

$$864 + 31$$

	H	T	O
	8	6	4
+		3	1
	8	9	5

$$275 + 21$$

	H	T	O
	2	7	5
+		2	1
	2	9	6

Add Two Three-digit Numbers – Not Crossing 10 or 100

Reasoning 1

Tia is calculating $406 + 353$.
Here is her working out.



Tia

	H	T	O
		4	6
+	3	5	3
<hr/>			
	3	9	9

Can you spot Tia's mistake?
Work out the correct answer.

Reasoning 1

Add Two Three-digit Numbers – Not Crossing 10 or 100

Tia is calculating $406 + 353$.
Here is her working out.



Tia

	H	T	O
		4	6
+	3	5	3
<hr/>			
	3	9	9

Can you spot Tia's mistake?
Work out the correct answer.

Tia hasn't used
zero as a place
holder in the
tens column.

The correct
answer should
be 759.

Reasoning 2

Add Two Three-digit Numbers – Not Crossing 10 or 100

Here are three digit cards.

1

2

3

Malachi and Zach made three-digit numbers using each card once.



Malachi

I have made the greatest possible number.

I have made the smallest possible number.



Zach

Work out the total of their two numbers.

Reasoning 2

Add Two Three-digit Numbers – Not Crossing 10 or 100

Here are three digit cards.

1

2

3

Malachi and Zach made three-digit numbers using each card once.



Malachi

I have made the greatest possible number.

I have made the smallest possible number.

Malachi's number is 321.
Zach's number is 123.

The total is 444.



Zach

Work out the total of their two numbers.