

# Step 12: Subtract a 2-Digit Number from a 3-Digit Number

## Introduction

Tick the calculations that have the same value as the number below.

**326**

**3 hundreds + 2 tens + 6 ones**

**3 hundreds + 1 ten + 16 ones**

**3 hundreds + 26 ones**

**3 hundreds + 2 tens + 26 ones**

## Introduction

Tick the calculations that have the same value as the number below.

**326**

**3 hundreds + 2 tens + 6 ones ✓**

**3 hundreds + 1 ten + 16 ones ✓**

**3 hundreds + 26 ones ✓**

**3 hundreds + 2 tens + 26 ones**

## Varied Fluency 1


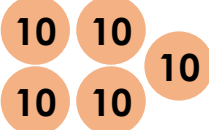

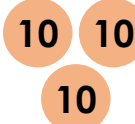
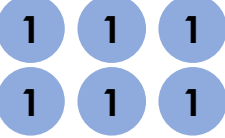
Abby has the number 224. Which representation shows her missing value?

A.

263	
?	39

B.

–

H	T	O
		
		
?	?	?

## Varied Fluency 1


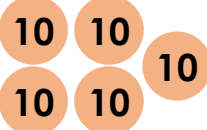

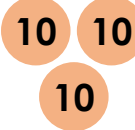
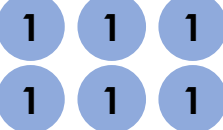
Abby has the number 224. Which representation shows her missing value?

A.

263		
224	39	

B.

—

H	T	O
		
		
?	?	?



## Varied Fluency 2

**True or false?**

$$654 = 726 - 82$$

## Varied Fluency 2

**True or false?**

$$654 = 726 - 82$$

**False, it is 644.**

### Varied Fluency 3

Jasper has added some symbols to the following equations.

$$\text{A. } 312 - 51 \quad \boxed{>} \quad 294 - 45$$

$$\text{B. } 564 - 47 \quad \boxed{>} \quad 592 - 73$$

Is he correct?



### Varied Fluency 3

Jasper has added some symbols to the following equations.

A.  $312 - 51$   $\boxed{>}$   $294 - 45$   
(261) (249)

B.  $564 - 47$   $\boxed{>}$   $592 - 73$   
(517) (519)

Is he correct?

**A is correct. B is incorrect (<).**

## Varied Fluency 4

Which calculation is the odd one out?

A.

	4	4	2
–		3	3
<hr/>			
<hr/>			

B.

	4	9	0
–		8	1
<hr/>			
<hr/>			

C.

	4	7	0
–		6	3
<hr/>			
<hr/>			

D.

	4	8	4
–		7	5
<hr/>			
<hr/>			

## Varied Fluency 4

Which calculation is the odd one out?

A.

	4	4	2
—		3	3
<hr/>			
	4	0	9
<hr/>			

B.

	4	9	0
—		8	1
<hr/>			
	4	0	9
<hr/>			

C.

	4	8	2
—		6	3
<hr/>			
	4	1	9
<hr/>			

D.

	4	8	4
—		7	5
<hr/>			
	4	0	9
<hr/>			

## Problem Solving 1

Use the column method to find the missing values.

$$156 \Rightarrow -48 \Rightarrow A$$

$$B \Rightarrow +84 \Rightarrow 279$$

$$547 \Rightarrow -61 \Rightarrow C$$

## Problem Solving 1

Use the column method to find the missing values.

$$156 \Rightarrow - 48 \Rightarrow 108$$

$$195 \Rightarrow + 84 \Rightarrow 279$$

$$547 \Rightarrow - 61 \Rightarrow 486$$



## Reasoning 1

**Ashley and Dean work out the calculation  $326 - 43$ .**

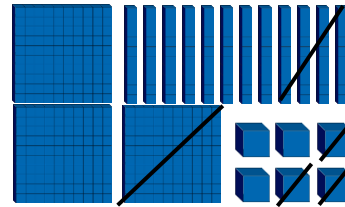


# Ashley

# I have done

	<sup>1</sup> <del>3</del> <sup>1</sup>	2	6
-		4	3
<hr/>			
<hr/>			

**I have done**



# Dean

**Who is correct? Explain how you know.**

## Reasoning 1

**Ashley and Dean work out the calculation  $326 - 43$ .**

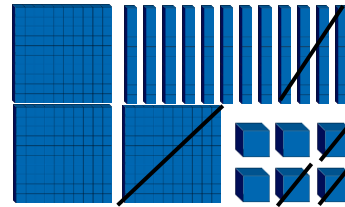


# Ashley

# I have done

	<sup>1</sup> <del>3</del> <sup>1</sup>	2	6
-		4	3
<hr/>			
<hr/>			

# I have done



# Dean

**Who is correct? Explain how you know.**

## Dean is correct because...

## Reasoning 1

Ashley and Dean work out the calculation  $326 - 43$ .

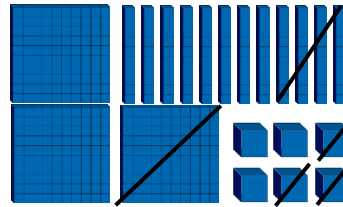


Ashley

I have done

	<sup>1</sup> 3	<sup>1</sup> 2	6
-		4	3

I have done



Dean

Who is correct? Explain how you know.

**Dean is correct because he has exchanged 1 hundred for 10 tens. Ashley is incorrect because she should have 2 hundreds left after the exchange in the hundreds column.**

## Reasoning 2

Ethan has completed the following subtraction:

	H	T	O
	6	5	4
—		7	1
	6	2	3

Is he correct? Explain how you know.



## Reasoning 2

Ethan has completed the following subtraction:

	H	T	O
	6	5	4
—		7	1
	6	2	3

Is he correct? Explain how you know.

Ethan is incorrect because...



## Reasoning 2

Ethan has completed the following subtraction:

	H	T	O
	<sup>5</sup> <del>6</del>	<sup>1</sup> 5	4
—		7	1
	5	8	3

Is he correct? Explain how you know.

**Ethan is incorrect because he has not exchanged 1 hundred for 10 tens in order to subtract the tens correctly. His answer should be 583.**