

Adding two digits (with carrying)

Example 1:

Add $19 + 16$

Solution:

Step 1:

Using place value,

	Tens	Ones
	1	9
+	1	6
	<hr/>	
	<hr/>	

Add the numbers in ones place.

$$9 + 6 = 15$$

15 is a two digit number.

Step 2:

	Tens	Ones
	1	
	1	9
+	1	6
	<hr/>	
		5
	<hr/>	

$$9 + 6 = 15$$

Put 5 in the ones place.

1 will be added with tens place.

Step 3:

	Tens	Ones
	1	
	1	9
+	1	6
	<hr/>	
	3	5
	<hr/>	

Add the numbers in tens place.

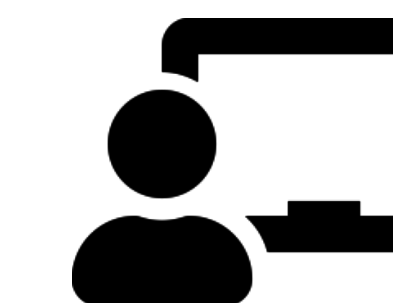
$$1 + 1 + 1 = 3$$

Therefore, $19 + 16 = 35$.



Example 2:

Add $22 + 28$



Solution:

Step 1:

Using place value,

	Tens	Ones
	2	2
+	2	8
	<hr/>	
	<hr/>	

Add the numbers in ones place.

$$2 + 8 = 10$$

10 is a two digit number.

Step 2:

	Tens	Ones
	1	
	2	2
+	2	8
	<hr/>	
		0
	<hr/>	

$$2 + 8 = 10$$

Put 0 in the ones place.

1 will be added with tens place.

Step 3:

	Tens	Ones
	1	
	2	2
+	2	8
	<hr/>	
	5	0
	<hr/>	

Add the numbers in tens place.

$$1 + 2 + 2 = 5$$

Therefore, $22 + 28 = 50$.



Example 3:

Add $68 + 24$

Solution:

	Tens	Ones	
	1		
	6	8	
+	2	4	
	<hr/>		
	9	2	
	<hr/>		

$8 + 4 = 12$
 $1 + 6 + 2 = 9$

Therefore, $68 + 24 = 92$.

Example 4:

Add $56 + 27$

Solution:

	Tens	Ones	
	1		
	5	6	
+	2	7	
	<hr/>		
	8	3	
	<hr/>		

$6 + 7 = 13$
 $1 + 5 + 2 = 8$

Therefore, $56 + 27 = 83$.

Example 5:

Add $39 + 39$

Solution:

	Tens	Ones	
	1		
	3	9	
+	3	9	$9 + 9 = 18$
	<hr/>		$1 + 3 + 3 = 7$
	7	8	
	<hr/>		

Therefore, $39 + 39 = 78$.

Example 6:

Add $75 + 16$

Solution:

	Tens	Ones	
	1		
	7	5	
+	1	6	
	<hr/>		
	9	1	
	<hr/>		

$5 + 6 = 11$
 $1 + 7 + 1 = 9$

Therefore, $75 + 16 = 91$.