

Name _____

COMMON CORE STANDARD CC.2.NBT.6

Use place value understanding and properties of operations to add and subtract.

Break Apart Ones to Add

Sometimes when you are adding, you can break apart ones to make a ten.

$$37 + 8 = \underline{\quad ? \quad}$$

Look at the two-digit addend, 37. What digit is in the ones place? 7

Decide how many you need to add to the ones digit to make 10.

$$7 + \underline{3} = 10, \text{ and } 37 + \underline{3} = 40$$

Break apart that number from the one-digit addend, 8.

$$8 - 3 = 5$$

Finally, write the new number sentence. $40 + 5 = \underline{45}$

$$37 + 8 = 45$$
$$40 + 5 = 45$$

Break apart ones to make a ten. Then add and write the sum.

1. $28 + 6 = \underline{\quad}$

2. $34 + 7 = \underline{\quad}$

COMMON CORE STANDARD CC.2.NBT.6

Use place value understanding and properties of operations to add and subtract.

Use Compensation

This is a way to add 2-digit numbers.

Take ones from one addend to make the other addend a tens number.

$$27 + 38 = \underline{\quad ? \quad}$$

First, find the addend with the greater ones digit. 38

How many ones would you need to add to make it a tens number?

$$38 + \underline{\quad} = 40$$

Add 2 to make 40.

Next, take that many ones away from the other addend.

$$27 - 2 = 25$$

The two new addends are 25 and 40.

Write the new addition sentence to find the sum.

$$\underline{25} + \underline{40} = \underline{65}$$

Show how to make one addend the next tens number.

Complete the new addition sentence.

1. $28 + 16 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

2. $37 + 24 = ?$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

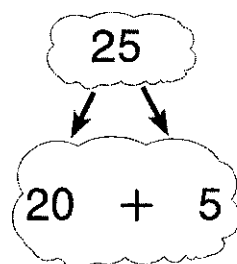
COMMON CORE STANDARD CC.2.NBT.6

Use place value understanding and properties of operations to add and subtract.

Break Apart Addends as Tens and Ones

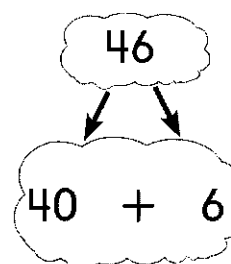
$25 + 46 = ?$

Break apart 25 into tens and ones.



+

Break apart 46 into tens and ones.



+

Then, add the tens from the two addends.

$$\underline{20} + \underline{40} = \underline{60}$$

Add the ones from the two addends.

$$\underline{5} + \underline{6} = \underline{11}$$

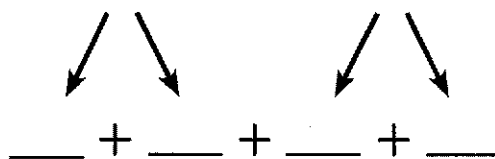
Add the two sums.

$$\underline{60} + \underline{11} = \underline{71}$$

$$\text{So, } 25 + 46 = \underline{71}.$$

Break apart the addends to find the sum.

1. $12 + 48 = ?$



Add the tens. $\underline{\quad} + \underline{\quad} = \underline{\quad}$

Add the ones. $\underline{\quad} + \underline{\quad} = \underline{\quad}$

How many in all? $\underline{\quad} + \underline{\quad} = \underline{\quad}$

So, $12 + 48 = \underline{\quad}$.

Name _____

Lesson 4.4

Reteach

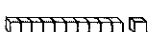
COMMON CORE STANDARDS

CC.2.NBT.6, CC.2.NBT.9

Model Regrouping for Addition

Use place value understanding and properties of operations to add and subtract.

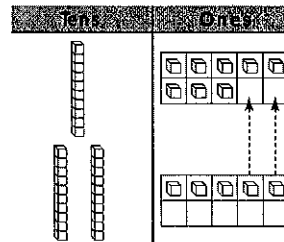
Add 18 and 25.

Show 18 and 25 with .

Count the ones.

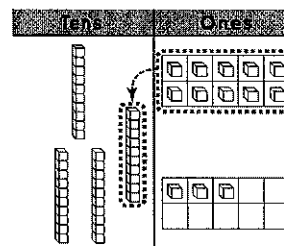
How many ones are there in all? 13 ones

Can you make a ten? yes



Trade 10 ones
for 1 ten.

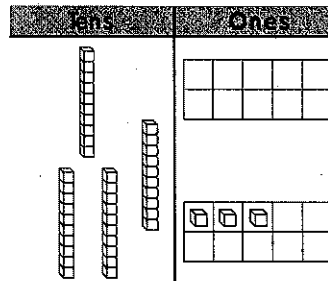
This is called
regrouping.



Count the tens. How many
tens are there in all? 4 tens

Count the ones. How many
ones are there in all? 3 ones

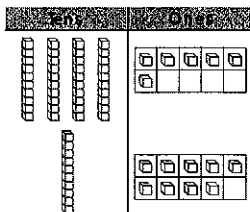
4 tens 3 ones is the same as 43.



Write how many tens and ones in the sum.

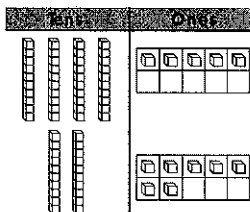
Write the sum.

1. Add 46 and 19.



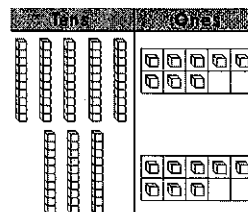
_____ tens _____ ones

2. Add 45 and 27.



_____ tens _____ ones

3. Add 58 and 38.

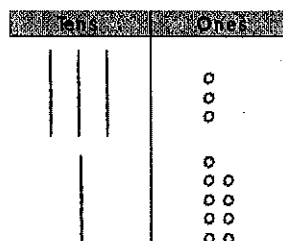


_____ tens _____ ones

COMMON CORE STANDARD CC.2.NBT.6

Use place value understanding and properties of operations to add and subtract.

Model and Record 2-Digit Addition

Model $33 + 19$.How many ones are there in all? 12 onesCan you make a ten? yes

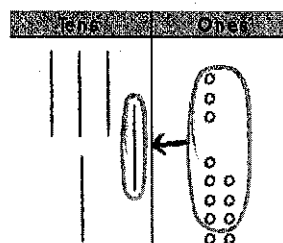
Tens	Ones
<input type="text"/>	<input type="text"/>
3	3
1	9
+	
<input type="text"/>	<input type="text"/>

Regroup 10 ones as 1 ten.

Write a 1 in the tens column to show the regrouped ten.

How many ones are left after regrouping? 2 ones

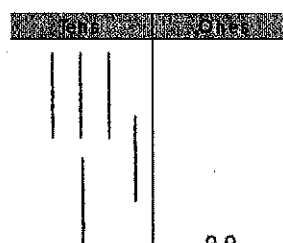
Write that number in the ones place.



Tens	Ones
<input type="text"/>	<input type="text"/>
3	3
1	9
+	
<input type="text"/>	2

How many tens are there in all? 5 tens

Write that number in the tens place.



Tens	Ones
<input type="text"/>	<input type="text"/>
3	3
1	9
+	
5	2

Draw quick pictures to help you solve. Write the sum.

1.

Tens	Ones
<input type="text"/>	<input type="text"/>
4	7
2	5
+	
<input type="text"/>	<input type="text"/>

Tens	Ones
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

2.

Tens	Ones
<input type="text"/>	<input type="text"/>
3	6
4	6
+	
<input type="text"/>	<input type="text"/>

Tens	Ones
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

COMMON CORE STANDARD CC.2.NBT.5

Use place value understanding and properties of operations to add and subtract.

2-Digit Addition

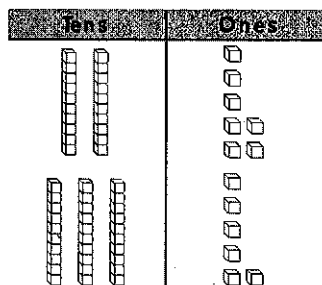
Add 27 and 36.

STEP 1

Show 27 and 36.

Add the ones.

$$7 + 6 = 13$$

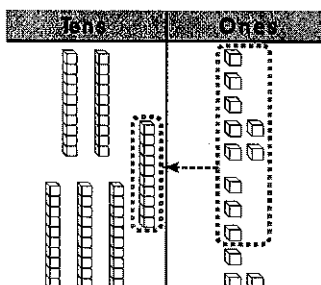


	Tens	Ones
	<input type="text"/>	<input type="text"/>
	2	7
+	3	6

STEP 2

If you can make a 10, regroup 10 ones for 1 ten.

13 ones = 1 ten 3 ones



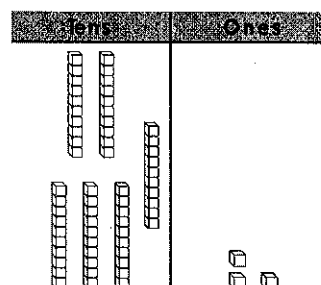
	Tens	Ones
	<input type="text"/>	<input type="text"/>
	2	7
+	3	6
		3

STEP 3

Add the tens.

Remember to add the regrouped ten.

$$1 + 2 + 3 = 6$$



	Tens	Ones
	1	<input type="text"/>
	2	7
+	3	6
	6	3

Regroup if you need to. Write the sum.

1.

	Tens	Ones
	<input type="text"/>	<input type="text"/>
	5	4
+	2	9

2.

	Tens	Ones
	<input type="text"/>	<input type="text"/>
	1	7
+	6	1

3.

	Tens	Ones
	<input type="text"/>	<input type="text"/>
	4	1
+	2	9

4.

	Tens	Ones
	<input type="text"/>	<input type="text"/>
	3	5
+	3	2

COMMON CORE STANDARD CC.2.NBT.5

Use place value understanding and properties of operations to add and subtract.

Practice 2-Digit Addition

Eliza sold 47 pencils in one week.

She sold 65 pencils the next week.

How many pencils did she sell in both weeks?

Add 47 and 65.

Add the ones.

$7 + 5 = 12$

<input type="text"/>	
4	7
+ 6	5
<hr/>	

Regroup.

12 ones = 1 ten and 2 ones

1	
4	7
+ 6	5
<hr/>	
	2

Add the tens.

$1 + 4 + 6 = 11$

1	
4	7
+ 6	5
<hr/>	
11	2

Write the sum.

1.

4	3
+ 6	9
<hr/>	

2.

7	6
+ 5	8
<hr/>	

3.

3	8
+ 4	2
<hr/>	

4.

8	5
+ 6	8
<hr/>	

5.

8	2
+ 4	7
<hr/>	

6.

8	1
+ 1	7
<hr/>	

7.

2	7
+ 8	6
<hr/>	

8.

5	1
+ 3	8
<hr/>	

COMMON CORE STANDARD CC.2.NBT.5

Use place value understanding and properties of operations to add and subtract.

Rewrite 2-Digit Addition

Add. $43 + 19 = ?$

STEP 1What is the tens digit in 43? 4Write 4 in the tens column.
Write the ones digit, 3, in the ones column.

Tens	Ones
<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center;">4</div>	3
+	

STEP 2What is the tens digit in 19? 1Write 1 in the tens column.
Write the ones digit, 9, in the ones column.

Tens	Ones
<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center;">4</div>	3
+	

STEP 3Add the ones.
Regroup if you need to.

Add the tens.

Tens	Ones
<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto; text-align: center;">1</div>	
4	3
+	

Rewrite the numbers. Then add.

1. $26 + 9$

<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div>	
+	

2. $16 + 43$

<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div>	
+	

3. $32 + 38$

<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div>	
+	

4. $23 + 26$

<div style="border: 1px solid black; width: 30px; height: 30px; margin: 0 auto;"></div>	
+	

Name _____

COMMON CORE STANDARD CC.2.OA.1

Represent and solve problems involving addition and subtraction.

Problem Solving • Addition

Hannah has 14 pencils. Juan has 13 pencils.
How many pencils do they have in all?

Unlock the Problem

<p>What do I need to find?</p> <p><u>how many pencils</u></p> <p>they have in all</p>	<p>What information do I need to use?</p> <p>Hannah has <u>14</u> pencils.</p> <p>Juan has <u>13</u> pencils.</p>		
<p>Show how to solve the problem.</p> <table border="1"> <tr> <td>Hannah's 14 pencils</td> <td>Juan's 13 pencils</td> </tr> </table> <p><u> </u> pencils in all</p> <p><u>14 + 13 = 27</u></p> <p><u>27</u> pencils</p>		Hannah's 14 pencils	Juan's 13 pencils
Hannah's 14 pencils	Juan's 13 pencils		

Solve.

- There are 21 peanuts in a bag. 16 more peanuts are put into the bag. How many peanuts are in the bag in all?

21 peanuts	16 peanuts
------------	------------

 peanuts in all

 peanuts

Name _____

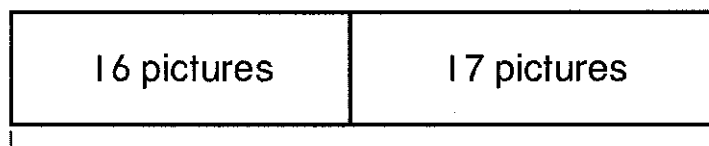
Algebra • Write Equations to Represent Addition

Sara took 16 pictures.

Then she took 17 more pictures.

How many pictures did Sara take in all?

Use a bar model to show the problem.



_____ ? _____ pictures in all

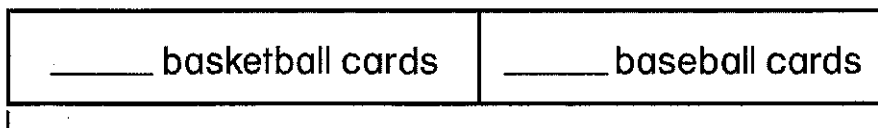
Write a number sentence. Solve.

$$16 + 17 = \blacksquare$$

33 pictures

Use a bar model to show the problem. Write a number sentence. Use a \blacksquare for the missing number. Then solve.

1. Josh has 18 basketball cards and 14 baseball cards. How many cards does he have altogether?



_____ cards altogether

_____ cards

COMMON CORE STANDARD CC.2.NBT.6

Use place value understanding and properties of operations to add and subtract.

**Algebra • Find Sums
for 3 Addends**

You can add three numbers in different ways.
Start by adding the ones first.

$$\begin{array}{r} 14 \\ 22 \\ + 36 \\ \hline 72 \end{array}$$

Look at the column of ones digits. Choose two of the digits to add first. Then add the other digit.

$$\begin{array}{r} 4 + 6 = 10 \\ 10 + 2 = 12 \end{array}$$

Then add the tens.

$$1 + 1 + 2 + 3 = 7$$

$$\begin{array}{r} 14 \\ 22 \\ + 36 \\ \hline 72 \end{array}$$

Start at the top of the ones column. Add the first two digits, and then add the third digit.

$$\begin{array}{r} 4 + 2 = 6 \\ 6 + 6 = 12 \end{array}$$

Then add the tens.

$$1 + 1 + 2 + 3 = 7$$

Add.

1.

$$\begin{array}{r} 18 \\ 25 \\ + 32 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 40 \\ 37 \\ + 16 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 13 \\ 21 \\ + 34 \\ \hline \end{array}$$

4.

$$\begin{array}{r} 26 \\ 22 \\ + 23 \\ \hline \end{array}$$

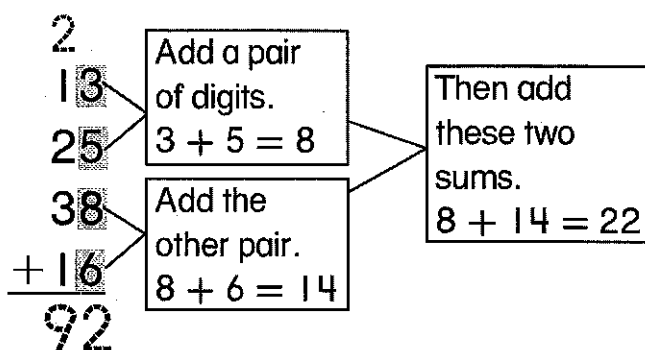
COMMON CORE STANDARD CC.2.NBT.6

Use place value understanding and properties of operations to add and subtract.

Algebra • Find Sums for 4 Addends

You can add 4 numbers in different ways.

One way is to add pairs of digits in the ones column.



Then add the digits in the tens column.

Add.

1.

$$\begin{array}{r} 43 \\ 57 \\ 32 \\ + 2 \\ \hline \end{array}$$

2.

$$\begin{array}{r} 24 \\ 21 \\ 19 \\ + 32 \\ \hline \end{array}$$

3.

$$\begin{array}{r} 21 \\ 14 \\ 20 \\ + 42 \\ \hline \end{array}$$