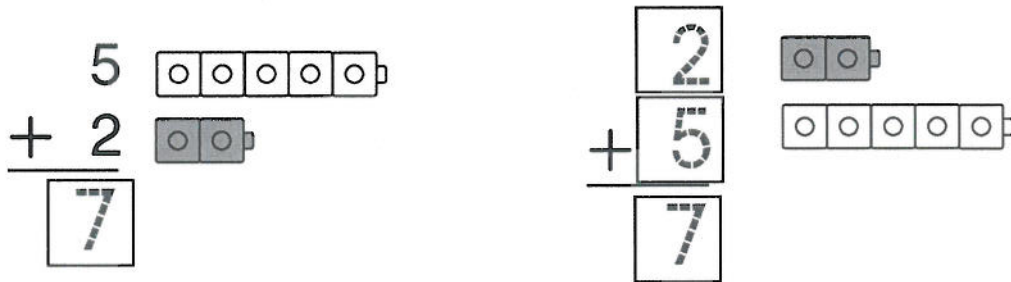


# Algebra • Add in Any Order

**COMMON CORE STANDARD CC.1.OA.3**

Understand and apply properties of operations and the relationship between addition and subtraction.

You can change the order of the addends.  
The sum is the same.



**Add. Change the order of the addends. Add again.**

1.

$$\begin{array}{r} 3 \\ + 1 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline \square \end{array}$$

2.

$$\begin{array}{r} 4 \\ + 2 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline \square \end{array}$$

3.

$$\begin{array}{r} 8 \\ + 3 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline \square \end{array}$$

4.

$$\begin{array}{r} 9 \\ + 5 \\ \hline \square \end{array}$$

$$\begin{array}{r} \square \\ + \square \\ \hline \square \end{array}$$

# Count On

You can count on to find  $4 + 3$ .  
Start with the greater addend.  
Then count on. Write the sum.

To add 3,  
count on 3.

4	○	○	○
	<u>5</u>	<u>6</u>	<u>7</u>

$4 + 3 = \underline{7}$

Circle the greater addend. Count on 1, 2, or 3. Write the missing numbers.

1.  $1 + 6$

○ ○

6

\_\_\_\_\_

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

2.  $9 + 1$

○ ○

9

\_\_\_\_\_

$9 + 1 = \underline{\quad}$

3.  $4 + 2$

○ ○ ○

4

\_\_\_\_\_

$4 + 2 = \underline{\quad}$

4.  $3 + 8$

○ ○ ○ ○

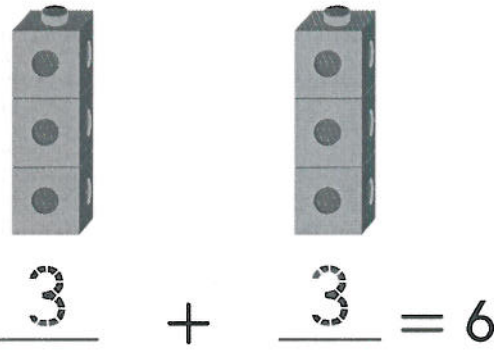
8


\_\_\_\_\_

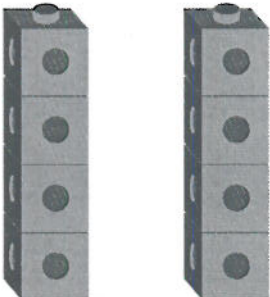
$3 + 8 = \underline{\quad}$

# Add Doubles

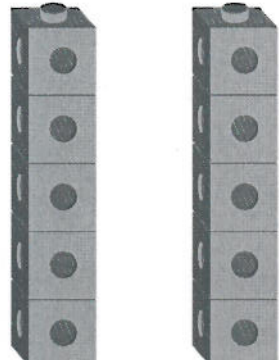
The addends are the same in a doubles fact.



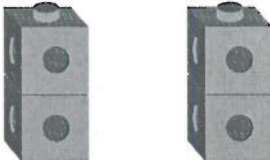
Draw  to show the addends.  
Write the missing numbers.

1. 


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

2. 

$\underline{\quad} + \underline{\quad} = 10$

3. 

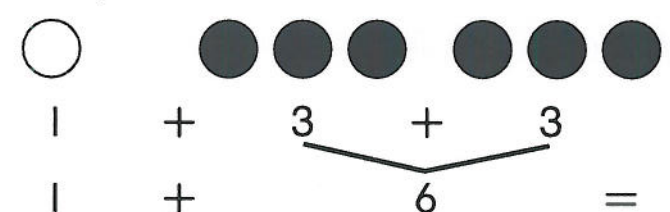
$\underline{\quad} + \underline{\quad} = 4$

4. 

$\underline{\quad} + \underline{\quad} = 2$

# Use Doubles to Add

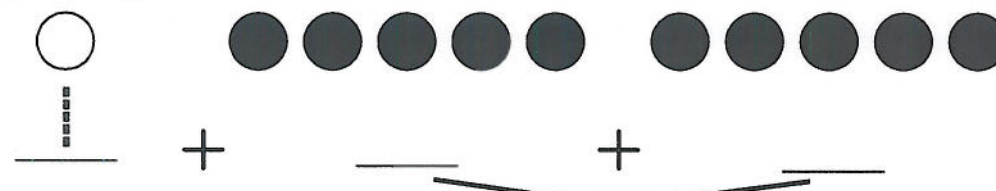
Use a doubles fact to solve  $4 + 3$ .  
Break apart 4 into  $1 + 3$ .



So,  $4 + 3 = \underline{7}$ .

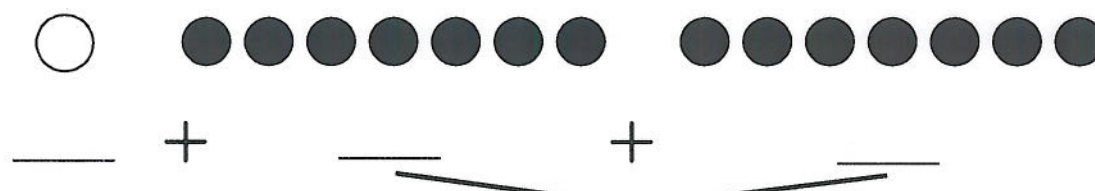
Use ○ ● to model. Break apart to make a doubles fact. Add.

1.  $6 + 5$



So,  $6 + 5 = \underline{\quad}$ .

2.  $8 + 7$



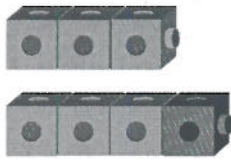
So,  $8 + 7 = \underline{\quad}$ .

# Doubles Plus 1 and Doubles Minus 1

You can use doubles plus one facts and doubles minus one to add.

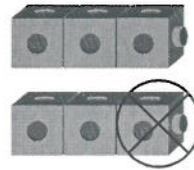
Use doubles fact  $3 + 3 = 6$ .

doubles plus one



$$3 + 3 = 6$$

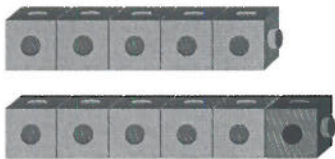
doubles minus one



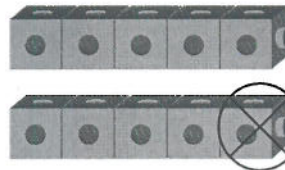
$$3 + 2 = 5$$

Use doubles plus one or doubles minus one to add.

1.

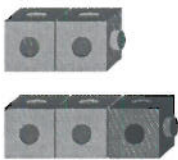


$$5 + 5 = \underline{\quad}$$



$$5 + 4 = \underline{\quad}$$

2.



$$2 + 2 = \underline{\quad}$$

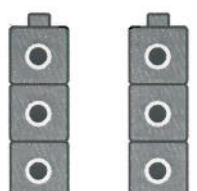
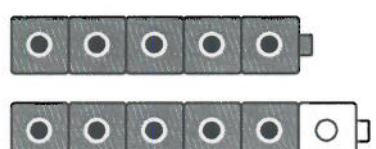
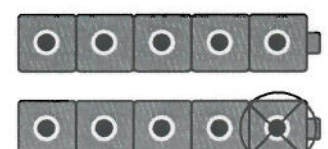


$$2 + 1 = \underline{\quad}$$



# Practice the Strategies

You can use different addition strategies to find sums.

<p style="text-align: center;">Count On</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; font-size: 2em; margin-right: 20px;">6</div> <div style="text-align: center;">○ 7</div> <div style="text-align: center;">○ 8</div> </div> <p style="font-size: 1.5em; margin-top: 20px;"><math>6 + 2 = \underline{8}</math></p>	<p style="text-align: center;">Doubles</p> <div style="display: flex; justify-content: center; align-items: center; margin-bottom: 10px;">  </div> <p style="font-size: 1.5em; margin-top: 20px;"><math>3 + 3 = \underline{6}</math></p>
<p style="text-align: center;">Doubles Plus 1</p> <div style="display: flex; justify-content: center; align-items: center; margin-bottom: 10px;">  </div> <p style="font-size: 1.5em; margin-top: 20px;"><math>5 + 6 = \underline{11}</math></p>	<p style="text-align: center;">Doubles Minus 1</p> <div style="display: flex; justify-content: center; align-items: center; margin-bottom: 10px;">  </div> <p style="font-size: 1.5em; margin-top: 20px;"><math>5 + 4 = \underline{9}</math></p>

1. Count on 1.

$$7 + 1 = \underline{\quad}$$

2. Count on 2.

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

3. Count on 3.

$$7 + 3 = \underline{\quad}$$

4. Use doubles.

$$6 + 6 = \underline{\quad}$$

5. Use doubles plus 1.

$$6 + 7 = \underline{\quad}$$

6. Use doubles minus 1.

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

# Add 10 and More

You can use counters and a ten frame to add a number to 10.

Find  $10 + 4$ .

10

4

●	●	●	●	●
●	●	●	●	●

○
○
○
○

$$\begin{array}{r} 10 \\ + 4 \\ \hline 14 \end{array}$$

Draw ○. Show the number that is added to 10. Write the sum.

1.

10

3

●	●	●	●	●
●	●	●	●	●

$$\begin{array}{r} 10 \\ + 3 \\ \hline \end{array}$$

2.

10

7

●	●	●	●	●
●	●	●	●	●

$$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$$

# Make a 10 to Add

Show  $8 + 5$  with counters and a ten frame.

<p>Use ○.</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">8</div> </div> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; margin-right: 10px;">5</div> </div>	<p>Make a ten. Add.</p> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="margin-right: 10px;"> <math display="block">\begin{array}{r} 10 \\ + 3 \\ \hline 13 \end{array}</math> </div> </div> <div style="display: flex; align-items: center; margin-top: 10px;"> </div> <p style="margin-top: 20px;">So, <math>8 + 5 = \underline{13}</math>.</p>
---	---

Draw ○ to show the second addend.

Make a ten. Add.

1.  $8 + 6$

8

6

$$\begin{array}{r} 10 \\ + 4 \\ \hline \end{array}$$

So,  $8 + 6 = \underline{\quad}$ .

2.  $9 + 7$

9

7



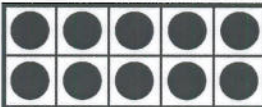

$$\begin{array}{r} 10 \\ + 6 \\ \hline \end{array}$$

So,  $9 + 7 = \underline{\quad}$ .



# Use Make a 10 to Add


What is  $9 + 5$ ? Make a 10 to add.

<p>Use ○ and a ten frame. Show the addends.</p> <div style="display: flex; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">9</div>  </div> <div style="display: flex; align-items: center; gap: 20px; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">5</div>  </div> <div style="border: 1px solid black; border-radius: 50%; padding: 10px; width: fit-content; margin: 20px auto;"> <p>Show the greater addend in the ten frame.</p> </div>	<p>Make a 10. Add.</p> <div style="display: flex; align-items: center; gap: 20px;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">10</div>  </div> <div style="display: flex; align-items: center; gap: 20px; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; width: 40px; text-align: center;">4</div>  </div> <p style="margin-top: 20px;">So, <math>9 + 5 = \underline{\hspace{2cm}}</math>.</p>
--	---


Draw ○. Make a ten to add.

1.  $8 + 5$


8




5



10



3




$$\begin{array}{r} 10 \\ + 3 \\ \hline \end{array}$$


So,  $8 + 5 = \underline{\hspace{2cm}}$ .

2.  $7 + 4$


7




4



10



1



$$\begin{array}{r} 10 \\ + 1 \\ \hline \end{array}$$

So,  $7 + 4 = \underline{\hspace{2cm}}$ .

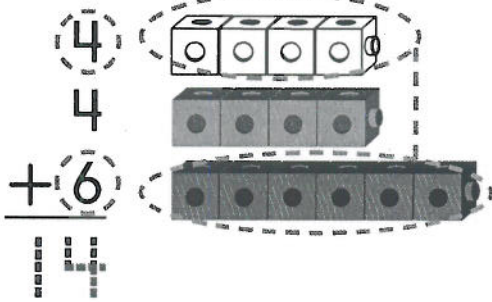


# Algebra • Add 3 Numbers

COMMON CORE STANDARD CC.1.OA.3

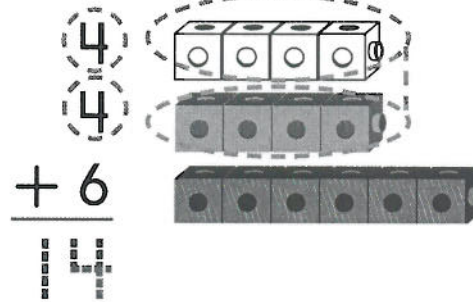
Understand and apply properties of operations and the relationship between addition and subtraction.

What strategies help you add 3 numbers?



4 + 6 make a 10.

$$\boxed{10} + 4 = \boxed{14}$$



4 + 4 = 8 is a doubles fact.

$$\boxed{8} + 6 = \boxed{14}$$

Choose a strategy. Circle two addends to add first. Write the sum. Then find the total sum.

1.

$$\begin{array}{r} \textcircled{7} \\ \textcircled{3} \\ + 3 \\ \hline 13 \end{array}$$

$\boxed{10}$

2.

$$\begin{array}{r} 2 \\ 2 \\ + 8 \\ \hline \end{array}$$

$\square$

3.

$$\begin{array}{r} 4 \\ 3 \\ + 3 \\ \hline \end{array}$$

$\square$

4.

$$\begin{array}{r} 5 \\ 5 \\ + 4 \\ \hline \end{array}$$

$\square$

**COMMON CORE STANDARD CC.1.OA.2**  
Represent and solve problems involving addition and subtraction.

# Problem Solving • Use Addition Strategies

Tory has 9 toys. Bob has 4 toys.  
Joy has 2 toys. How many toys  
do they have?

## Unlock the Problem

<p><b>What do I need to find?</b></p> <p>how many _____  <div style="text-align: center; font-size: 2em; font-weight: bold;">toys</div>         they have _____</p>	<p><b>What information do I need to use?</b></p> <p>Tory has <u>9</u> toys.</p> <p>Bob has <u>4</u> toys.</p> <p>Joy has <u>2</u> toys.</p>										
<p><b>Show how to solve the problem.</b></p> <div style="border: 1px solid black; padding: 5px; display: inline-block; margin-bottom: 10px;"> <table style="border-collapse: collapse;"> <tr><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td></tr> <tr><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td><td style="border: 1px solid black; width: 20px; height: 20px; text-align: center;">○</td></tr> </table> </div> <p style="margin-left: 20px;">○ ○ ○ ○ ○</p> <p style="margin-left: 20px;">_____ ⊕ _____ ⊕ _____ = _____ toys</p>		○	○	○	○	○	○	○	○	○	○
○	○	○	○	○							
○	○	○	○	○							

## Draw a picture to solve.

1. Rick has 7 books.

He gets 2 more books.

He then gets 2 more books.

How many books does

Rick have now?

\_\_\_\_\_ books