

Sums with 9

1. Nine marbles are grouped into two groups, in different ways. Write the addition sentences.

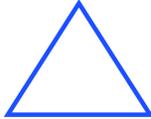
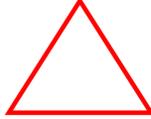
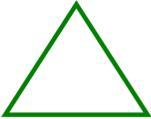
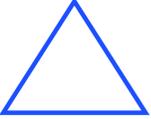
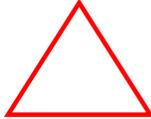
 _____ + _____ = _____	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____
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 _____ + _____ = _____	 _____ + _____ = _____

2. **Drill.** Don't write the answers here. Just think the answers in your head.

$\square + 8 = 9$	$\square + 4 = 9$	$2 + \square = 9$	$3 + \square = 9$	$7 + \square = 9$
$\square + 2 = 9$	$\square + 6 = 9$	$9 + \square = 9$	$6 + \square = 9$	$\square + 1 = 9$
$\square + 7 = 9$	$\square + 3 = 9$	$0 + \square = 9$	$4 + \square = 9$	$\square + 5 = 9$

3. Play “9 Out” *and/or* “Some Went Hiding” with 9 objects (see the introduction).

4. Fill in the missing numbers.

<p>a.  + 0 = 9</p> <p>d.  + 4 = 9</p>	<p>b. 6 +  = 9</p> <p>e. 2 +  = 9</p>	<p>c. 8 +  = 9</p> <p>f. 3 +  = 9</p>
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5. Fill in the missing numbers. You may draw dots to help. Notice the patterns!

<p>a.</p> <table border="1"><tr><td>1 + _____ = 7</td></tr><tr><td>2 + _____ = 7</td></tr><tr><td>3 + _____ = 7</td></tr><tr><td>4 + _____ = 7</td></tr></table>	1 + _____ = 7	2 + _____ = 7	3 + _____ = 7	4 + _____ = 7	<p>b.</p> <table border="1"><tr><td>1 + _____ = 8</td></tr><tr><td>2 + _____ = 8</td></tr><tr><td>3 + _____ = 8</td></tr><tr><td>4 + _____ = 8</td></tr></table>	1 + _____ = 8	2 + _____ = 8	3 + _____ = 8	4 + _____ = 8	<p>c.</p> <table border="1"><tr><td>1 + _____ = 9</td></tr><tr><td>2 + _____ = 9</td></tr><tr><td>3 + _____ = 9</td></tr><tr><td>4 + _____ = 9</td></tr></table>	1 + _____ = 9	2 + _____ = 9	3 + _____ = 9	4 + _____ = 9
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6. Add.

a.
$$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

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

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

i.
$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

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

7. Solve the word problems. Write an addition sentence or a missing addend sentence for each problem. Think: “ *Is it asking the TOTAL? Or, do I already know the total, and something else is asked?*” You can draw a picture to help!

<p>a. Mom has 2 eggs at home. The cake recipe calls for five eggs. How many more eggs will she need?</p>	<p>b. You see four crayons in the crayon box and the rest of them are lost. The full box has eight crayons. How many crayons are missing?</p>
<p>c. Jenny and Penny both have five goldfish. How many do they have together?</p> <p>Betty has three goldfish. How many do the three girls have together?</p>	<p>d. You have two dollars. Can you buy a doll for 11 dollars?</p> <p>Daddy has ten dollars. How much money do you have together? Can you buy the doll together?</p>
<p>e. There are two red chairs in the living room and six red chairs in the kitchen, and none in the other rooms. How many red chairs are in the house?</p>	<p>f. Joshua has five dollars. He wants to buy a truck for seven dollars. How many more dollars will he need?</p>
<p>g. If you have eight dollars, and a gift for mom costs \$10, how much more money do you need?</p>	<p>h. Jack bought nails for five dollars and screws for four dollars. How much money did he spend in all?</p>

First add $3 + 2$. It is 5.
Do not write 5 in the box!

Then compare 5 and 4.
Five is greater. Draw $>$.

$3 + 2$		4
↓	↓	
5		4

8. First add. Write the answer below (not in the box!). Then write $<$ or $>$ or $=$.

a. $5 + 2$ 4 ↓ ↓ 4	b. $4 + 4$ 7 ↓ ↓ 7	c. 2 $1 + 1$ ↓ ↓ 	d. 7 $3 + 6$ ↓ ↓
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9. First add. Think the answer in your mind. Then compare and write $<$ or $>$.

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|--|--|--|--|
| a. $1 + 4$ 3 | b. $2 + 2$ 5 | c. 2 $0 + 0$ | d. 7 $5 + 3$ |
| e. $4 + 4$ 9 | f. $3 + 5$ 6 | g. 7 $6 + 2$ | h. 8 $3 + 4$ |

Puzzle Corner

What numbers can go into the puzzles?

	$+$		$= 9$
$+$		$+$	
	$+$		$= 9$
$=$	$=$		
10	8		

	$+$		$= 9$
$+$		$+$	
	$+$		$= 8$
$=$	$=$		
9	8		