


























# Sums with 9

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

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

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

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

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

4. What numbers make up nine? Fill in the missing numbers.

a. _____ + 0 = 9	b. 6 + _____ = 9	c. 8 + _____ = 9
d. _____ + 4 = 9	e. 2 + _____ = 9	f. 3 + _____ = 9

5. Fill in the missing numbers. You may draw dots to help. Notice the patterns!

<b>a.</b>	<b>b.</b>	<b>c.</b>
$1 + \underline{\hspace{2cm}} = 7$	$1 + \underline{\hspace{2cm}} = 8$	$1 + \underline{\hspace{2cm}} = 9$
$2 + \underline{\hspace{2cm}} = 7$	$2 + \underline{\hspace{2cm}} = 8$	$2 + \underline{\hspace{2cm}} = 9$
$3 + \underline{\hspace{2cm}} = 7$	$3 + \underline{\hspace{2cm}} = 8$	$3 + \underline{\hspace{2cm}} = 9$
$4 + \underline{\hspace{2cm}} = 7$	$4 + \underline{\hspace{2cm}} = 8$	$4 + \underline{\hspace{2cm}} = 9$

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  $=$ .

<b>a.</b> $5 + 2$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $4$ ↓ ↓ <span style="background-color: #90EE90; width: 30px; height: 30px; display: inline-block;"></span> <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $4$	<b>b.</b> $4 + 4$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $7$ ↓ ↓ <span style="background-color: #90EE90; width: 30px; height: 30px; display: inline-block;"></span> <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $7$	<b>c.</b> $1 + 1$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $2$ ↓ ↓ <span style="background-color: #90EE90; width: 30px; height: 30px; display: inline-block;"></span> <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span>	<b>d.</b> $3 + 6$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $7$ ↓ ↓ <span style="background-color: #90EE90; width: 30px; height: 30px; display: inline-block;"></span> <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span>
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9. First add. Think the answer in your mind. Then compare and write  $<$  or  $>$ .

- |  |  |  |  |
|--|--|--|--|
| <b>a.</b> $1 + 4$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $3$ | <b>b.</b> $2 + 2$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $5$ | <b>c.</b> $0 + 0$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $2$ | <b>d.</b> $5 + 3$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $7$ |
| <b>e.</b> $4 + 4$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $9$ | <b>f.</b> $3 + 5$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $6$ | <b>g.</b> $6 + 2$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $7$ | <b>h.</b> $3 + 4$ <span style="border: 1px solid black; width: 30px; height: 30px; display: inline-block;"></span> $8$ |

**Puzzle Corner**

What numbers can go into the puzzles?

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

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