

Sums with 9

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

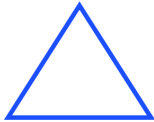
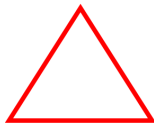
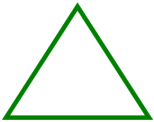
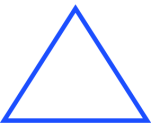
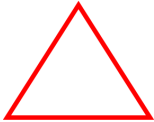
 _____ + _____ = _____	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____
 _____ + _____ = _____	 _____ + _____ = _____

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. Fill in the missing numbers.

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

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

a.	b.	c.
1 + _____ = 7	1 + _____ = 8	1 + _____ = 9
2 + _____ = 7	2 + _____ = 8	2 + _____ = 9
3 + _____ = 7	3 + _____ = 8	3 + _____ = 9
4 + _____ = 7	4 + _____ = 8	4 + _____ = 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!

a. Mom has 2 eggs at home. The cake recipe calls for five eggs. How many more eggs will she need?	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?
c. Jenny and Penny both have five goldfish. How many do they have together? Betty has three goldfish. How many do the three girls have together?	d. You have two dollars. Can you buy a doll for 11 dollars? Daddy has ten dollars. How much money do you have together? Can you buy the doll together?
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?	f. Joshua has five dollars. He wants to buy a truck for seven dollars. How many more dollars will he need?
g. If you have eight dollars, and a gift for mom costs \$10, how much more money do you need?	h. Jack bought nails for five dollars and screws for four dollars. How much money did he spend in all?

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

$$3 + 2 \quad \square \quad 4$$

↓ ↓

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

$$5 \quad \square \quad 4$$

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

a. $5 + 2 \quad \square \quad 4$ ↓ ↓ $\square \quad \square \quad 4$	b. $4 + 4 \quad \square \quad 7$ ↓ ↓ $\square \quad \square \quad 7$	c. $2 \quad \square \quad 1 + 1$ ↓ ↓ $\square \quad \square$	d. $7 \quad \square \quad 3 + 6$ ↓ ↓ $\square \quad \square$
--	--	--	--

9. First add. Think the answer in your mind. Then compare and write $<$ or $>$.

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

Puzzle Corner

What numbers can go into the puzzles?

$\square$	+	$\square$	= 9
+	$\square$	+	
$\square$	+	$\square$	= 9
=		=	
10		8	

$\square$	+	$\square$	= 9
+	$\square$	+	
$\square$	+	$\square$	= 8
=		=	
9		8	