

# SECRET



# CODE MATH

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# Welcome to the Secret Code Math Book

Kids need to master basic operations, including addition, subtraction, multiplication, and division. The only way to do this is through consistent, repetitive practice. Unfortunately, most drill-and-practice worksheets are dull and tedious for students to complete.

In an effort to make math practice more fun, I have developed two printable eBooks filled with math worksheets that seem more like puzzles and less like math work.

The first book, [Math Riddle Book](#), was released in 2007 and has been a huge hit with students, parents, and teachers. It features corny, laugh-out-loud riddles that kids love! Kids can unlock the answers to the riddles by solving a set of Math problems.

The second book, [Secret Code Math](#), is the one you're reading right now. The worksheets in this book feature a symbol key that kids must use to decode the numbers in a math problem before they can find the answers. In addition to teaching math skills, [Secret Code Math](#) helps kids build concentration and logical reasoning.

I hope your students enjoy learning from the worksheets in this book.

Sincerely,

*Tim Ulei*

P.S. Please, if you have any questions, comments, or suggestions, please feel free to e-mail me. My address is: [tim@mathriddlebook.com](mailto:tim@mathriddlebook.com)





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# Secret Code Math

Addition with 3-Digit Addends

Decode the addends and find the sums.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>
⚡	◎	◻	◐	⊗	💧	▽	😊	♉	♊

Code Numbers

$$\begin{array}{r} \text{⚡} \text{ } \text{◐} \text{ } \text{💧} \\ + \text{⚡} \text{ } \text{▽} \text{ } \text{◻} \\ \hline \end{array}$$

Regular Numbers

$$\begin{array}{r} 1 \ 4 \ 6 \\ + 1 \ 7 \ 3 \\ \hline \end{array}$$

Code Numbers

$$\begin{array}{r} \text{◎} \text{ } \text{⊗} \text{ } \text{💧} \\ + \text{◐} \text{ } \text{⊗} \text{ } \text{◻} \\ \hline \end{array}$$

Code Numbers

$$\begin{array}{r} \text{◻} \text{ } \text{😊} \text{ } \text{😊} \\ + \text{▽} \text{ } \text{💧} \text{ } \text{◻} \\ \hline \end{array}$$

Regular Numbers

$$\begin{array}{r} \phantom{0} \phantom{0} \phantom{0} \\ + \phantom{0} \phantom{0} \phantom{0} \\ \hline \end{array}$$

Code Numbers

$$\begin{array}{r} \text{◐} \text{ } \text{⊗} \text{ } \text{♊} \\ + \text{♉} \text{ } \text{⚡} \text{ } \text{⊗} \\ \hline \end{array}$$

Code Numbers

$$\begin{array}{r} \text{💧} \text{ } \text{♊} \text{ } \text{◻} \\ + \text{▽} \text{ } \text{😊} \text{ } \text{◻} \\ \hline \end{array}$$

Regular Numbers

$$\begin{array}{r} \phantom{0} \phantom{0} \phantom{0} \\ + \phantom{0} \phantom{0} \phantom{0} \\ \hline \end{array}$$

Code Numbers

$$\begin{array}{r} \text{⚡} \text{ } \text{⊗} \text{ } \text{◐} \\ \hline \end{array}$$



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**ANSWER KEY**

# Secret Code Math

Addition with 3-Digit Addends

Decode the addends and find the sums.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>
⚡	⊙	◻	◐	⊗	💧	▽	😊	♊	♈

Code Numbers	Regular Numbers
$\begin{array}{r} \text{⚡} \text{ } \text{◐} \text{ } \text{💧} \\ + \text{⚡} \text{ } \text{▽} \text{ } \text{◻} \\ \hline \end{array}$	$\begin{array}{r} 1 \ 4 \ 6 \\ + 1 \ 7 \ 3 \\ \hline 3 \ 1 \ 9 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{⊙} \text{ } \text{⊗} \text{ } \text{💧} \\ + \text{◐} \text{ } \text{⊗} \text{ } \text{◻} \\ \hline \end{array}$	$\begin{array}{r} 2 \ 5 \ 6 \\ + 4 \ 5 \ 3 \\ \hline 7 \ 0 \ 9 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{◻} \text{ } \text{😊} \text{ } \text{😊} \\ + \text{▽} \text{ } \text{💧} \text{ } \text{◻} \\ \hline \end{array}$	$\begin{array}{r} 3 \ 8 \ 8 \\ + 7 \ 6 \ 3 \\ \hline 1, \ 1 \ 5 \ 1 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{◐} \text{ } \text{⊗} \text{ } \text{♈} \\ + \text{♊} \text{ } \text{⚡} \text{ } \text{⊗} \\ \hline \end{array}$	$\begin{array}{r} 4 \ 5 \ 0 \\ + 9 \ 1 \ 5 \\ \hline \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{💧} \text{ } \text{♈} \text{ } \text{◻} \\ + \text{▽} \text{ } \text{😊} \text{ } \text{◻} \\ \hline \end{array}$	$\begin{array}{r} 6 \ 0 \ 3 \\ + 7 \ 8 \ 3 \\ \hline 1, \ 3 \ 8 \ 6 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{💧} \text{ } \text{♊} \text{ } \text{⚡} \\ + \text{⚡} \text{ } \text{⊗} \text{ } \text{◐} \\ \hline \end{array}$	$\begin{array}{r} 6 \ 9 \ 1 \\ + 1 \ 5 \ 4 \\ \hline 8 \ 4 \ 5 \end{array}$



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Name: \_\_\_\_\_

# Secret Code Math

Addition with 4-Digit Addends

Decode the addends and find the sums.

1	2	3	4	5	6	7	8	9	0
◇	★	♣	⚡	▯	◇	*	↑	♥	■

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \star \quad \heartsuit \quad \diamond \quad \heartsuit \\ + \quad \diamond \quad \blacksquare \quad \star \quad \heartsuit \end{array}$$

$$\begin{array}{r} 2, 3 \quad 6 \quad 9 \\ + \quad 1, 0 \quad 2 \quad 3 \end{array}$$

$$\begin{array}{r} \blacksquare \quad * \quad \heartsuit \quad \blacksquare \\ + \quad \blacksquare \quad \uparrow \quad \heartsuit \quad \diamond \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \diamond \quad * \quad \star \quad \blacksquare \\ + \quad \heartsuit \quad \blacksquare \quad \uparrow \end{array}$$

$$\begin{array}{r} \heartsuit \quad * \quad * \quad \diamond \\ + \quad \star \quad \diamond \quad \blacksquare \quad \heartsuit \end{array}$$

Code Numbers

Regular Numbers

$$\begin{array}{r} \blacksquare \quad \heartsuit \quad \star \quad \diamond \\ + \quad \blacksquare \quad \heartsuit \quad * \quad \star \end{array}$$

$$\begin{array}{r} \uparrow \quad \blacksquare \quad \heartsuit \quad \blacksquare \\ + \quad \uparrow \quad \blacksquare \quad \diamond \end{array}$$

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**CODE MATH**



Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Addition with 4-Digit Addends

Decode the addends and find the sums.

1	2	3	4	5	6	7	8	9	0
❖	★	♣	⚡	⚓	◇	*	↑	♥	■

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \star \quad \heartsuit \quad \diamond \quad \heartsuit \\ + \quad \spadesuit \quad \blacksquare \quad \star \quad \heartsuit \\ \hline \heartsuit \quad \heartsuit \quad \heartsuit \quad \star \end{array}$	$\begin{array}{r} 2, 3 6 9 \\ + 1, 0 2 3 \\ \hline 3, 3 9 2 \end{array}$	$\begin{array}{r} \spadesuit \quad * \quad \heartsuit \quad \blacksquare \\ + \quad \spadesuit \quad \uparrow \quad \heartsuit \quad \spadesuit \\ \hline \spadesuit \quad \blacksquare \quad \diamond \quad \star \quad \blacksquare \end{array}$	$\begin{array}{r} 5, 7 9 0 \\ + 4, 8 3 0 \\ \hline 10, 6 2 0 \end{array}$

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \diamond \quad * \quad \star \quad \spadesuit \\ + \quad \heartsuit \quad \spadesuit \quad \uparrow \\ \hline * \quad \diamond \quad * \quad \heartsuit \end{array}$	$\begin{array}{r} 6, 7 2 5 \\ + 9 4 8 \\ \hline 7, 6 7 3 \end{array}$	$\begin{array}{r} \heartsuit \quad * \quad * \quad \diamond \\ + \quad \star \quad \diamond \quad \spadesuit \quad \heartsuit \\ \hline \diamond \quad \spadesuit \quad \star \quad * \end{array}$	$\begin{array}{r} 3, 7 7 8 \\ + 2, 6 4 9 \\ \hline 6, 4 2 7 \end{array}$

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \spadesuit \quad \heartsuit \quad \star \quad \spadesuit \\ + \quad \spadesuit \quad \heartsuit \quad * \quad \star \\ \hline \spadesuit \quad \blacksquare \quad \star \quad \heartsuit \quad \heartsuit \end{array}$	$\begin{array}{r} 4, 3 \\ + 5, 9 7 2 \\ \hline 10, 2 9 3 \end{array}$	$\begin{array}{r} \uparrow \quad \blacksquare \quad \diamond \\ + \quad \heartsuit \quad \star \quad \blacksquare \quad \spadesuit \\ \hline \heartsuit \quad \star \quad \blacksquare \quad \spadesuit \end{array}$	$\begin{array}{r} 8 0 6 \\ + 9, 2 0 4 \end{array}$



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Name: \_\_\_\_\_

# Secret Code Math

Column Addition with 3-Digit Addends

Decode the addends and find the sums.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>

Code Numbers	Regular Numbers
	<b>1 3 6</b>
	<b>3 6 8</b>
<b>+</b>	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>1 3 6</b>
	<b>3 6 8</b>
<b>+</b>	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>1 3 6</b>
	<b>3 6 8</b>
<b>+</b>	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>9 1</b>

Code Numbers	Regular Numbers
	<b>9 1</b>

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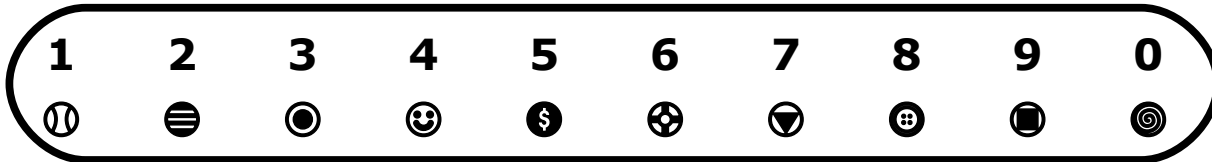
Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Column Addition with 3-Digit Addends

Decode the addends and find the sums.



Code Numbers	Regular Numbers
$\begin{array}{r} \text{Ⓜ} \text{Ⓞ} \text{Ⓜ} \\ \text{Ⓞ} \text{Ⓜ} \text{Ⓢ} \\ + \quad \text{Ⓜ} \text{Ⓜ} \\ \hline \text{Ⓢ} \text{Ⓜ} \text{Ⓢ} \end{array}$	$\begin{array}{r} 1 \ 3 \ 6 \\ 3 \ 6 \ 8 \\ + \quad 9 \ 1 \\ \hline 5 \ 9 \ 5 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{Ⓜ} \text{Ⓞ} \text{Ⓢ} \\ \text{Ⓞ} \text{Ⓜ} \text{Ⓜ} \\ + \quad \text{Ⓜ} \text{Ⓞ} \text{Ⓢ} \\ \hline \text{Ⓜ} \text{Ⓞ} \text{Ⓢ} \text{Ⓢ} \end{array}$	$\begin{array}{r} 9 \ 0 \ 5 \\ 4 \ 2 \ 1 \\ + \quad 6 \ 0 \ 2 \\ \hline 1, \ 9 \ 2 \ 8 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{Ⓞ} \text{Ⓢ} \text{Ⓢ} \\ \text{Ⓜ} \text{Ⓞ} \text{Ⓜ} \\ + \quad \text{Ⓜ} \text{Ⓞ} \\ \hline \text{Ⓜ} \text{Ⓞ} \text{Ⓞ} \text{Ⓜ} \end{array}$	$\begin{array}{r} 3 \ 5 \ 5 \\ 6 \ 0 \ 7 \\ + \quad 7 \ 4 \\ \hline 1, \ 0 \ 3 \ 6 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{Ⓜ} \text{Ⓢ} \text{Ⓢ} \\ \text{Ⓢ} \text{Ⓜ} \text{Ⓢ} \\ \hline 7 \ 8 \ 2 \\ 2 \ 7 \ 2 \end{array}$	$\begin{array}{r} 7 \ 8 \ 2 \\ 2 \ 7 \ 2 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{Ⓞ} \text{Ⓢ} \text{Ⓢ} \\ \quad \text{Ⓜ} \text{Ⓞ} \\ + \quad \text{Ⓜ} \text{Ⓞ} \text{Ⓞ} \\ \hline \text{Ⓜ} \text{Ⓞ} \text{Ⓞ} \end{array}$	$\begin{array}{r} 4 \ 8 \ 2 \\ \quad 6 \ 3 \\ + \quad 1 \ 9 \ 9 \\ \hline 7 \ 4 \ 4 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{Ⓞ} \text{Ⓞ} \text{Ⓞ} \\ \text{Ⓜ} \text{Ⓜ} \text{Ⓞ} \\ + \quad \text{Ⓢ} \text{Ⓞ} \text{Ⓞ} \\ \hline \text{Ⓜ} \text{Ⓞ} \text{Ⓞ} \text{Ⓞ} \end{array}$	$\begin{array}{r} 9 \ 0 \ 9 \\ 1 \ 6 \ 4 \\ + \quad 8 \ 5 \ 0 \\ \hline 1, \ 9 \ 2 \ 3 \end{array}$



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Name: \_\_\_\_\_

# Secret Code Math

Column Addition with 4-Digit Addends

Decode the addends and find the sums.

1	2	3	4	5	6	7	8	9	0
	●	△	▶▶	×	⊖	👁	↑	■	✦

	Code Numbers	Regular Numbers	
	👁 ▶▶ × ⊖	7, 4 5 6	
	△ ⊖ ↑	3, 6 8 1	
+	● △ ▶▶ ▶▶	+ 2, 3 4 4	

	Code Numbers	Regular Numbers	
	● ✦ ⊖ 👁		
	⊖ ✦ ■		
+	● ▶▶		

	Code Numbers	Regular Numbers	
	↑ ✦ 👁 ▶▶		
	⊖ ↑ ✦ △		
+	● 👁    ✦		

	Code Numbers	Regular Numbers	
	▶▶ ● ↑ ⊖		
	● ▶▶ ⊖ ↑		
+	× 👁 △		

	Code Numbers	Regular Numbers	
	● ● ● ●		
	△ △ △ △		
	▶▶ ▶▶ ▶▶ ▶▶		
+	× × × ×		

	Code Numbers	Regular Numbers	
	⊖ ✦ ⊖		
	△ ✦ ✦ 👁		
+	▶▶ ↑		



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Column Addition with 4-Digit Addends

Decode the addends and find the sums.

1	2	3	4	5	6	7	8	9	0
	●	△	▶	×	⊖	👁	↑	■	✦

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
👁 ▶ × ⊖	7, 4 5 6	● ✦ ⊖ 👁	2, 0 6 7
△ ⊖ ↑	3, 6 8 1	⊖ ✦ ■	6 0 9
+ ● △ ▶ ▶	+ 2, 3 4 4	+ ● ▶ +	2 4
△ ▶ ↑	1 3, 4 8 1	● 👁 ✦ ✦	2, 7 0 0

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
↑ ✦ 👁 ▶	8, 0 7 4	▶ ● ↑ ⊖	4, 2 8 6
⊖ ↑ ✦ △	6, 8 0 3	● ▶ ⊖ ↑	2, 4 6 8
+ ● 👁    ✦	+ 2, 7 1 0	+ × 👁 △	+ 5, 7 3 1
👁 × ↑ 👁	1 7, 5		

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
● ● ● ●	2, 2	△ ✦ ✦ 👁	3, 0 0 7
△ △ △ △	3, 3 5 5	+ ▶ ↑ +	4 8
▶ ▶ ▶ ▶	4, 4 4 4	▶ ⊖ ↑	4, 6 8 1
+ × × × ×	+ 5, 5 5 5		
× × × ▶	1 5, 5 5 4		



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Name: \_\_\_\_\_

# Secret Code Math

Subtraction (No Borrowing): 2-Digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0
X	///	\\	●	◀	•	└	⤵	⤶	┘

Code Numbers	Regular Numbers
$\begin{array}{r} \text{⤵} \text{└} \\ - \text{///} \text{•} \end{array}$	$\begin{array}{r} 87 \\ - 26 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{\\} \text{⤵} \\ - \text{◀} \end{array}$	$\begin{array}{r} 87 \\ - 26 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{⤶} \text{\\} \\ - \text{◀} \text{\\} \end{array}$	$\begin{array}{r} 87 \\ - 26 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{•} \text{⤶} \\ - \text{•} \end{array}$	$\begin{array}{r} 87 \\ - 26 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{└} \text{⤶} \\ - \text{///} \text{└} \end{array}$	$\begin{array}{r} 87 \\ - 26 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{└} \text{◀} \\ - \text{●} \text{●} \end{array}$	$\begin{array}{r} 87 \\ - 26 \end{array}$

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**ANSWER KEY**

# Secret Code Math

Subtraction (No Borrowing): 2-Digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0
X	///	\\	●	◀	•	└	⤵	⤴	┘

Code Numbers	Regular Numbers
$\begin{array}{r} \text{⤵} \text{└} \\ - \text{///} \text{●} \\ \hline \text{•} \text{X} \end{array}$	$\begin{array}{r} 8 \ 7 \\ - 2 \ 6 \\ \hline 6 \ 1 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{\\} \text{⤵} \\ - \text{◀} \\ \hline \text{///} \text{///} \end{array}$	$\begin{array}{r} 3 \ 8 \\ - \quad 5 \\ \hline 3 \ 3 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{⤴} \text{///} \\ - \text{◀} \text{\\} \\ \hline \text{●} \text{┘} \end{array}$	$\begin{array}{r} 9 \ 3 \\ - 5 \ 3 \\ \hline 4 \ 0 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{•} \text{⤴} \\ - \text{●} \text{•} \end{array}$	$\begin{array}{r} 6 \ 9 \\ - 4 \ 6 \end{array}$



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Code Numbers	Regular Numbers
$\begin{array}{r} \text{└} \text{⤴} \\ - \text{\\} \text{└} \\ \hline \text{●} \text{///} \end{array}$	$\begin{array}{r} 7 \ 9 \\ - 3 \ 7 \\ \hline 4 \ 2 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{└} \text{◀} \\ - \text{●} \text{●} \\ \hline \text{///} \text{X} \end{array}$	$\begin{array}{r} 7 \ 5 \\ - 4 \ 4 \\ \hline 3 \ 1 \end{array}$



Name: \_\_\_\_\_

# Secret Code Math

Subtraction with Borrowing: 2-Digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0
➡	⬅	♥	👁	📱	📺	📺	👁	★	★

Code Numbers	Regular Numbers
$\begin{array}{r} \boxed{\star} \quad \leftarrow \\ - \quad \heartsuit \quad \textcircled{\star} \end{array}$	$\begin{array}{r} 6 \quad 2 \\ - \quad 3 \quad 4 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \textcircled{\star} \quad \star \\ - \quad \boxed{\star} \quad \heartsuit \end{array}$	

Code Numbers	Regular Numbers
$\begin{array}{r} \boxed{\star} \quad \rightarrow \\ - \quad \leftarrow \quad \boxed{\star} \end{array}$	

Code Numbers	Regular Numbers
$\begin{array}{r} \star \quad \heartsuit \\ - \quad \leftarrow \quad \heartsuit \end{array}$	

Code Numbers	Regular Numbers
$\begin{array}{r} \heartsuit \quad \textcircled{\star} \\ - \quad \rightarrow \quad \star \end{array}$	

$\begin{array}{r} \heartsuit \quad \boxed{\star} \\ - \quad \textcircled{\star} \quad \star \end{array}$
--

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**CODE MATH**



Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Subtraction with Borrowing: 2-Digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0
➡	←	♥	👁	📖	📖	📖	👁	★	★

Code Numbers	Regular Numbers
$\begin{array}{r} \text{📖} \text{ } \leftarrow \\ - \text{♥} \text{ } \text{👁} \\ \hline \leftarrow \text{ } \text{👁} \end{array}$	$\begin{array}{r} 6 \ 2 \\ - 3 \ 4 \\ \hline 2 \ 8 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{👁} \text{ } \text{★} \\ - \text{📖} \text{ } \text{📖} \\ \hline \text{➡} \text{ } \text{📖} \end{array}$	$\begin{array}{r} 8 \ 0 \\ - 6 \ 5 \\ \hline 1 \ 5 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{📖} \text{ } \text{➡} \\ - \leftarrow \text{ } \text{📖} \\ \hline \text{👁} \text{ } \text{👁} \end{array}$	$\begin{array}{r} 7 \ 1 \\ - 2 \ 7 \\ \hline 4 \ 4 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{★} \text{ } \text{♥} \\ - \leftarrow \text{ } \text{📖} \\ \hline \end{array}$	$\begin{array}{r} 9 \ 3 \\ - 2 \ 6 \\ \hline \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{♥} \text{ } \text{👁} \\ - \text{➡} \text{ } \text{★} \\ \hline \text{➡} \text{ } \text{📖} \end{array}$	$\begin{array}{r} 3 \ 4 \\ - 1 \ 9 \\ \hline 1 \ 5 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{📖} \text{ } \text{📖} \\ - \text{👁} \text{ } \text{★} \\ \hline \text{👁} \end{array}$	$\begin{array}{r} 5 \ 7 \\ - 4 \ 9 \\ \hline 8 \end{array}$



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Name: \_\_\_\_\_

# Secret Code Math

Subtraction with Borrowing: 3-digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0

Code Numbers	Regular Numbers
	3 9 4
-	- 7 8

Regular Numbers
3 9 4
- 7 8

Code Numbers	Regular Numbers
-	

Code Numbers	Regular Numbers
-	

Regular Numbers

Code Numbers	Regular Numbers
-	

Code Numbers	Regular Numbers
-	

Regular Numbers



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Subtraction with Borrowing: 3-digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0

Code Numbers	Regular Numbers
$\begin{array}{r} \diagdown \quad \text{---} \quad \square \\ - \quad \bullet \quad \text{---} \\ \hline \diagdown \quad \text{---} \quad \text{---} \end{array}$	$\begin{array}{r} 3 \ 9 \ 4 \\ - \quad 7 \ 8 \\ \hline 3 \ 1 \ 6 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \square \quad \text{---} \quad \bullet \\ - \quad \text{---} \quad \text{---} \\ \hline \text{---} \quad \square \quad \text{---} \end{array}$	$\begin{array}{r} 4 \ 1 \ 7 \\ - \quad 1 \ 7 \ 5 \\ \hline 2 \ 4 \ 2 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{---} \quad \text{---} \quad \text{---} \\ - \quad \diagdown \quad \bullet \quad \text{---} \\ \hline \square \quad \text{---} \quad \text{---} \end{array}$	$\begin{array}{r} 8 \ 2 \ 6 \\ - \quad 3 \ 7 \ 0 \\ \hline 4 \ 5 \ 6 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{---} \quad \text{---} \quad \text{---} \\ - \quad \text{---} \quad \square \\ \hline \text{---} \quad \text{---} \end{array}$	$\begin{array}{r} 6 \ 8 \ 2 \\ - \quad \quad 2 \ 4 \\ \hline \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{---} \quad \square \quad \bullet \\ - \quad \text{---} \quad \text{---} \quad \text{---} \\ \hline \text{---} \quad \text{---} \end{array}$	$\begin{array}{r} 2 \ 4 \ 7 \\ - \quad 1 \ 8 \ 2 \\ \hline 6 \ 5 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{---} \quad \text{---} \quad \text{---} \\ - \quad \text{---} \quad \text{---} \quad \text{---} \\ \hline \text{---} \quad \text{---} \quad \text{---} \end{array}$	$\begin{array}{r} 4 \ 5 \ 0 \\ - \quad 2 \ 2 \ 6 \\ \hline 2 \ 0 \ 4 \end{array}$



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Name: \_\_\_\_\_

# Secret Code Math

## Subtraction Across Zero: 3-Digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0

Code Numbers
-
_____

Regular Numbers
4 0 0
- 1 2 6
_____

Code Numbers
-
_____

Code Numbers
-
_____

Regular Numbers

Code Numbers
-
_____

Code Numbers
-
_____

Regular Numbers

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**CODE MATH**

Code Numbers
-
_____



Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Subtraction Across Zero: 3-Digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0

Code Numbers	Regular Numbers
	<b>4 0 0</b>
-	- <b>1 2 6</b>
<hr/>	<hr/>
	<b>2 7 4</b>

Code Numbers	Regular Numbers
	<b>7 0 0</b>
-	- <b>3 8 2</b>
<hr/>	<hr/>
	<b>3 1 8</b>

Code Numbers	Regular Numbers
	<b>5 0 0</b>
-	- <b>2 5 5</b>
<hr/>	<hr/>
	<b>2 4 5</b>

Code Numbers	Regular Numbers
	<b>4 0 7</b>
-	- <b>1 5 9</b>
<hr/>	<hr/>
	<b>2 4 5</b>

Code Numbers	Regular Numbers
	<b>7 0 2</b>
-	- <b>3 1 9</b>
<hr/>	<hr/>
	<b>3 8 3</b>

Code Numbers	Regular Numbers
	<b>1 8 0</b>
-	- <b>1 8 0</b>
<hr/>	<hr/>
	<b>1 2 0</b>



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Name: \_\_\_\_\_

# Secret Code Math

## Subtraction Across Zero - 4-digit Numbers

Decode the numbers and find the differences.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>
⊕	⋈	⌘	✱	◇	✻	◐	⬠	⊠	♪

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
✱   ♪   ♪   ◐ - ⊕   ◇   ⊠   ⬠	4, 0 0 7 - 1, 5 9 8	◇   ♪   ♪   ♪ - ⋈   ✻   ⊕   ✱	

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
✻   ♪   ♪   ♪ -   ⊕   ⬠		⊠   ♪   ♪   ◐ -   ⬠   ◐   ⌘	

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
⋈   ♪   ♪   ⊠ - ⊕   ⊠   ⊠   ⬠		✱   ♪   ♪   ⌘ - ⋈   ⬠   ◐   ⊕	

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Name: \_\_\_\_\_

ANSWER KEY

# Secret Code Math

Subtraction Across Zero - 4-digit Numbers

Decode the numbers and find the differences.

1	2	3	4	5	6	7	8	9	0
⊕	⌘	⌘	✱	◇	✱	◐	⬥	⊠	♪

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \text{✱} \text{ } \text{♪} \text{ } \text{♪} \text{ } \text{◐} \\ - \text{⊕} \text{ } \text{◇} \text{ } \text{⊠} \text{ } \text{⬥} \\ \hline \text{⌘} \text{ } \text{✱} \text{ } \text{♪} \text{ } \text{⊠} \end{array}$	$\begin{array}{r} 4, 0 0 7 \\ - 1, 5 9 8 \\ \hline 2, 4 0 9 \end{array}$	$\begin{array}{r} \text{◇} \text{ } \text{♪} \text{ } \text{♪} \text{ } \text{♪} \\ - \text{⌘} \text{ } \text{✱} \text{ } \text{⊕} \text{ } \text{✱} \\ \hline \text{⌘} \text{ } \text{⌘} \text{ } \text{⬥} \text{ } \text{✱} \end{array}$	$\begin{array}{r} 5, 0 0 0 \\ - 2, 6 1 4 \\ \hline 2, 3 8 6 \end{array}$

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \text{✱} \text{ } \text{♪} \text{ } \text{♪} \text{ } \text{♪} \\ - \text{⊕} \text{ } \text{⬥} \\ \hline \text{◇} \text{ } \text{⊠} \text{ } \text{⬥} \text{ } \text{⌘} \end{array}$	$\begin{array}{r} 6, 0 0 0 \\ - \text{ } \text{ } \text{ } \text{ } 1 8 \\ \hline 5, 9 \end{array}$	$\begin{array}{r} \text{⊠} \text{ } \text{♪} \text{ } \text{♪} \text{ } \text{◐} \\ - \text{⬥} \text{ } \text{◐} \text{ } \text{⌘} \\ \hline \text{ } \text{ } \text{ } \text{ } 8 7 3 \end{array}$	$\begin{array}{r} 9, 0 0 7 \\ - \text{ } \text{ } \text{ } \text{ } 8 7 3 \\ \hline \text{ } \text{ } \text{ } \text{ } 4 \end{array}$

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**CODE MATH**

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \text{⌘} \text{ } \text{♪} \text{ } \text{♪} \text{ } \text{⊠} \\ - \text{⊕} \text{ } \text{⊠} \text{ } \text{⊠} \text{ } \text{⬥} \\ \hline \text{⊕} \text{ } \text{⊕} \end{array}$	$\begin{array}{r} 2 0 0 9 \\ - 1 9 9 8 \\ \hline 1 1 \end{array}$	$\begin{array}{r} \text{✱} \text{ } \text{♪} \text{ } \text{♪} \text{ } \text{⌘} \\ - \text{⌘} \text{ } \text{⬥} \text{ } \text{◐} \text{ } \text{⊕} \\ \hline \text{⊕} \text{ } \text{⊕} \text{ } \text{⌘} \text{ } \text{⌘} \end{array}$	$\begin{array}{r} 4, 0 0 3 \\ - 2, 8 7 1 \\ \hline 1, 1 3 2 \end{array}$



Name: \_\_\_\_\_

# Secret Code Math

Multiplication: Basic Facts 0 - 9

Decode the numbers. Write the real numbers above the symbols.  
Then, multiply the numbers to find the products. The first one has been done for you.

1	2	3	4	5	6	7	8	9	0
I	♠	♥	♣	♦	♣	✚	◐	★	!

7      8

$$\text{✚} \times \text{◐} = \underline{56}$$

$$\text{★} \times \text{✚} = \underline{\hspace{2cm}}$$

$$\text{◐} \times \text{♣} = \underline{\hspace{2cm}}$$

$$\text{♥} \times \text{◐} = \underline{\hspace{2cm}}$$

$$\text{!} \times \text{♠} = \underline{\hspace{2cm}}$$

$$\text{♣} \times \text{✚} = \underline{\hspace{2cm}}$$

$$\text{♥} \times \text{★} = \underline{\hspace{2cm}}$$

$$\text{♣} \times \text{◐} = \underline{\hspace{2cm}}$$

$$\text{★} \times \text{♣} = \underline{\hspace{2cm}}$$



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Name: \_\_\_\_\_

ANSWER KEY

# Secret Code Math

Multiplication: Basic Facts 0 - 9

Decode the numbers. Write the real numbers above the symbols.  
Then, multiply the numbers to find the products. The first one has been done for you.

1	2	3	4	5	6	7	8	9	0
I	♠	♥	♣	♦	♣	÷	☾	☆	!

$$\begin{array}{r} 7 \quad 8 \\ \div \times \text{☾} = \underline{56} \end{array}$$

$$\begin{array}{r} 9 \quad 7 \\ \star \times \div = \underline{63} \end{array}$$

$$\begin{array}{r} 8 \quad 6 \\ \text{☾} \times \text{♣} = \underline{48} \end{array}$$

$$\begin{array}{r} 3 \quad 8 \\ \heartsuit \times \text{☾} = \underline{24} \end{array}$$

$$\begin{array}{r} 0 \quad 2 \\ ! \times \text{♠} = \underline{0} \end{array}$$

$$\begin{array}{r} 6 \quad 7 \\ \text{♣} \times \div = \underline{42} \end{array}$$

$$\begin{array}{r} 3 \quad 9 \\ \heartsuit \times \star = \underline{27} \end{array}$$



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$$\begin{array}{r} 4 \quad 8 \\ \clubsuit \times \text{☾} = \underline{32} \end{array}$$

$$\begin{array}{r} 9 \quad 4 \\ \star \times \clubsuit = \underline{36} \end{array}$$





Name: \_\_\_\_\_

# Secret Code Math

Multiplication: Basic Facts 0 - 12

Decode the numbers. Write the real numbers above the symbols.  
Then, multiply the numbers to find the products. The first one has been done for you.

1	2	3	4	5	6	7	8	9	0
$\Sigma$	$\varpi$	$\pi$	$\alpha$	$\Psi$	$\beta$	$\Omega$	$\lambda$	$\Lambda$	$\phi$

$$\begin{array}{r} 1 \quad 2 \quad 2 \\ \Sigma \quad \varpi \quad \times \quad \varpi = \underline{2 \quad 4} \end{array}$$

$$\Lambda \times \lambda = \underline{\hspace{2cm}}$$

$$\beta \times \Lambda = \underline{\hspace{2cm}}$$

$$\Sigma \varpi \times \Omega = \underline{\hspace{2cm}}$$

$$\Sigma \Sigma \times \Psi = \underline{\hspace{2cm}}$$

$$\Omega \times \alpha = \underline{\hspace{2cm}}$$

$$\pi \times \beta = \underline{\hspace{2cm}}$$

$$\lambda \times \lambda = \underline{\hspace{2cm}}$$

$$\lambda \times \Sigma \varpi = \underline{\hspace{2cm}}$$



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Multiplication: Basic Facts 0 - 12

Decode the numbers. Write the real numbers above the symbols.  
Then, multiply the numbers to find the products. The first one has been done for you.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>
$\Sigma$	$\varpi$	$\pi$	$\alpha$	$\Psi$	$\beta$	$\Omega$	$\lambda$	$\Lambda$	$\phi$

$$\begin{array}{r} 1 \quad 2 \quad 2 \\ \Sigma \quad \varpi \quad \times \quad \varpi \\ \hline 2 \quad 4 \end{array}$$

$$\begin{array}{r} 9 \quad 8 \\ \Lambda \quad \times \quad \lambda \\ \hline 7 \quad 2 \end{array}$$

$$\begin{array}{r} 6 \quad 9 \\ \beta \quad \times \quad \Lambda \\ \hline 5 \quad 4 \end{array}$$

$$\begin{array}{r} 1 \quad 2 \quad 7 \\ \Sigma \quad \varpi \quad \times \quad \Omega \\ \hline 8 \quad 4 \end{array}$$

$$\begin{array}{r} 1 \quad 1 \quad 5 \\ \Sigma \quad \Sigma \quad \times \quad \Psi \\ \hline 5 \quad 5 \end{array}$$

$$\begin{array}{r} 7 \quad 4 \\ \Omega \quad \times \quad \alpha \\ \hline 2 \quad 8 \end{array}$$

$$\begin{array}{r} 3 \quad 6 \\ \pi \quad \times \quad \beta \\ \hline 1 \quad 8 \end{array}$$



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$$\begin{array}{r} 8 \quad 8 \\ \lambda \quad \times \quad \lambda \\ \hline 6 \quad 4 \end{array}$$

$$\begin{array}{r} 8 \quad 1 \quad 2 \\ \lambda \quad \times \quad \Sigma \quad \varpi \\ \hline 9 \quad 6 \end{array}$$

















Name: \_\_\_\_\_





# Secret Code Math





Multiplication: 100s Patterns





Decode the numbers and find the products.





1	2	3	4	5	6	7	8	9	0
									





Code Numbers	Regular Numbers
  	6 0 0
x 	x 4
<hr style="width: 100%;"/>	

Code Numbers	Regular Numbers
  	6 0 0
x 	x 4
<hr style="width: 100%;"/>	

Code Numbers	Regular Numbers
  	6 0 0
x 	x 4
<hr style="width: 100%;"/>	

Code Numbers	Regular Numbers
  	6 0 0
x 	x 4
<hr style="width: 100%;"/>	

Code Numbers	Regular Numbers
  	6 0 0
x 	x 4
<hr style="width: 100%;"/>	

Code Numbers	Regular Numbers
  	6 0 0
x 	x 4
<hr style="width: 100%;"/>	



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**ANSWER KEY**

# Secret Code Math

Multiplication: Patterns in 100s

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0

Code Numbers	Regular Numbers
	6 0 0
x	x 4
<hr/>	<hr/>
	2, 4 0 0

Code Numbers	Regular Numbers
	7 0 0
x	x 8
<hr/>	<hr/>
	5, 6 0 0

Code Numbers	Regular Numbers
	5 0 0
x	x 6
<hr/>	<hr/>
	3, 0 0 0

Code Numbers	Regular Numbers
	9 0 0
x	x 8
<hr/>	<hr/>

Code Numbers	Regular Numbers
	3 0 0
x	x 9
<hr/>	<hr/>
	2, 7 0 0

Code Numbers	Regular Numbers
	2 0 0
x	x 5
<hr/>	<hr/>
	1, 0 0 0

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Name: \_\_\_\_\_

# Secret Code Math

Multiplication: 2-Digits by 1-Digit

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
☆	□	♥	⊕	←	→	☆	☆	☆	♥

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \square \quad \heartsuit \\ \times \quad \star \\ \hline \end{array}$$

$$\begin{array}{r} 2 \quad 3 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} \star \quad \heartsuit \\ \times \quad \oplus \\ \hline \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \leftarrow \quad \star \\ \times \quad \rightarrow \\ \hline \end{array}$$

$$\begin{array}{r} \star \quad \star \\ \times \quad \star \\ \hline \end{array}$$

Code Numbers

Regular Numbers

$$\begin{array}{r} \square \quad \oplus \\ \times \quad \leftarrow \\ \hline \end{array}$$

$$\begin{array}{r} \star \quad \heartsuit \\ \times \quad \star \\ \hline \end{array}$$

**SECRET**



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Multiplication: 2-Digits by 1-Digit

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
☆	📷	❤️	⊕	⬅️	➡️	☆	📷	📷	❤️

Code Numbers

$$\begin{array}{r} \text{📷} \text{ } \text{❤️} \\ \times \quad \text{☆} \\ \hline \text{☆} \text{ } \text{➡️} \text{ } \text{☆} \end{array}$$

Regular Numbers

$$\begin{array}{r} 2 \ 3 \\ \times \quad 7 \\ \hline 1 \ 6 \ 1 \end{array}$$

Code Numbers

$$\begin{array}{r} \text{📷} \text{ } \text{❤️} \\ \times \quad \text{⊕} \\ \hline \text{❤️} \text{ } \text{📷} \text{ } \text{❤️} \end{array}$$

Regular Numbers

$$\begin{array}{r} 8 \ 0 \\ \times \quad 4 \\ \hline 3 \ 2 \ 0 \end{array}$$

Code Numbers

$$\begin{array}{r} \text{⬅️} \text{ } \text{📷} \\ \times \quad \text{➡️} \\ \hline \text{❤️} \text{ } \text{⊕} \text{ } \text{📷} \end{array}$$

Regular Numbers

$$\begin{array}{r} 5 \ 8 \\ \times \quad 6 \\ \hline 3 \ 4 \ 8 \end{array}$$

Code Numbers

$$\begin{array}{r} \text{☆} \text{ } \text{☆} \\ \times \quad \text{📷} \\ \hline \end{array}$$

Regular Numbers

$$\begin{array}{r} 7 \ 7 \\ \times \quad 9 \\ \hline \end{array}$$

Code Numbers

$$\begin{array}{r} \text{📷} \text{ } \text{⊕} \\ \times \quad \text{⬅️} \\ \hline \text{☆} \text{ } \text{📷} \text{ } \text{❤️} \end{array}$$

Regular Numbers

$$\begin{array}{r} 2 \ 4 \\ \times \quad 5 \\ \hline 1 \ 2 \ 0 \end{array}$$

Code Numbers

$$\begin{array}{r} \text{📷} \text{ } \text{❤️} \\ \times \quad \text{☆} \\ \hline \text{⬅️} \text{ } \text{📷} \text{ } \text{☆} \end{array}$$

Regular Numbers

$$\begin{array}{r} 8 \ 3 \\ \times \quad 7 \\ \hline \end{array}$$

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Name: \_\_\_\_\_

# Secret Code Math

Multiplication 3-Digits by 1-Digit

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
●	☺	☾	///	┌	└	◆	▼		■

Code Numbers	Regular Numbers
///   ┌   ☺	4   6   2
x       ☾	x       3
_____	_____

Code Numbers	Regular Numbers
///   ┌   ☺	4   6   2
x       ☾	x       3
_____	_____

Code Numbers	Regular Numbers
┌   ■	
x       ///	
_____	

Code Numbers	Regular Numbers
●   ┌   ┌	
x       ◆	
_____	

Code Numbers	Regular Numbers
☺   ┌   ☾	
x       ▼	
_____	

**SECRET**



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**CODE MATH**

Code Numbers	Regular Numbers
///   ///   ◆	
x	
_____	

Code Numbers	Regular Numbers
☺   ◆   ▼	
x       ☺	
_____	



Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Multiplication 3-Digits by 1-Digit

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
●	☺	☾	///	┌	└	◆	▼		■

Code Numbers	Regular Numbers
$\begin{array}{r} \text{//} \text{└} \text{☺} \\ \times \quad \text{☾} \\ \hline \bullet \text{☺} \text{▼} \text{└} \end{array}$	$\begin{array}{r} 4 \ 6 \ 2 \\ \times \quad 3 \\ \hline 1, \ 3 \ 8 \ 6 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{┌} \ \blacksquare \   \\ \times \quad \text{//} \\ \hline \text{☺} \ \blacksquare \ \text{☺} \ \text{└} \end{array}$	$\begin{array}{r} 5 \ 0 \ 9 \\ \times \quad 4 \\ \hline 2, \ 0 \ 3 \ 6 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \bullet \ \text{└} \ \text{└} \\ \times \quad \text{◆} \\ \hline \bullet \ \bullet \ \text{└} \ \text{☺} \end{array}$	$\begin{array}{r} 1 \ 6 \ 6 \\ \times \quad 7 \\ \hline 1, \ 1 \ 6 \ 2 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{☺} \ \text{┌} \ \text{☺} \\ \times \quad \text{▼} \\ \hline \text{☺} \ \blacksquare \ \text{☺} \ \text{//} \end{array}$	$\begin{array}{r} 2 \ 5 \ 3 \\ \times \quad 8 \\ \hline 2, \ 0 \ 2 \ 4 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{//} \ \text{//} \ \text{◆} \\ \times \quad   \\ \hline \text{//} \ \blacksquare \ \text{☺} \ \text{☺} \end{array}$	$\begin{array}{r} 4 \ 4 \ 7 \\ \times \quad 9 \\ \hline 4, \ 0 \ 2 \ 3 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{┌} \ \text{┌} \ \text{└} \\ \times \quad \text{└} \\ \hline \text{┌} \ \text{┌} \ \text{└} \end{array}$	$\begin{array}{r} 5 \ 5 \ 6 \\ \times \quad 2 \\ \hline \end{array}$

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**CODE MATH**















Name: \_\_\_\_\_

# Secret Code Math

Multiplication: 2-Digits by 2-Digits

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
									

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{bird} \quad \text{ice cream} \\ \times \text{bug} \quad \text{stick figure} \\ \hline \end{array}$$

$$\begin{array}{r} 46 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} \text{ice cream} \quad \text{hand} \\ \times \text{bird} \quad \text{house} \\ \hline \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{stick figure} \quad \text{stick figure} \\ \times \text{pencil} \quad \text{bug} \\ \hline \end{array}$$

$$\begin{array}{r} \text{ice cream} \quad \text{ice cream} \\ \times \text{bird} \quad \text{hand} \\ \hline \end{array}$$

Code Numbers

Regular Number

$$\begin{array}{r} \text{house} \quad \text{frog} \\ \times \text{stick figure} \quad \text{house} \\ \hline \end{array}$$

$$\begin{array}{r} \text{frog} \quad \text{bug} \\ \times \text{pencil} \quad \text{bird} \\ \hline \end{array}$$



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Multiplication: 2-Digits by 2-Digits

Decode the numbers and find the products.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>
									

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r}
 \text{bird} \quad \text{ice cream cone} \\
 \times \text{ant} \quad \text{stick figure} \\
 \hline
 \text{frog} \quad \text{frog} \quad \text{stick figure}
 \end{array}$$

$$\begin{array}{r}
 46 \\
 \times 12 \\
 \hline
 552
 \end{array}$$

$$\begin{array}{r}
 \text{ice cream bar} \quad \text{hand} \\
 \times \text{bird} \quad \text{house} \\
 \hline
 \text{frog} \quad \text{stick figure} \quad \text{stick figure} \quad \text{hand}
 \end{array}$$

$$\begin{array}{r}
 90 \\
 \times 47 \\
 \hline
 4230
 \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r}
 \text{stick figure} \quad \text{stick figure} \\
 \times \text{pencil} \quad \text{ant} \\
 \hline
 \text{stick figure} \quad \text{frog} \quad \text{ice cream bar} \quad \text{stick figure}
 \end{array}$$

$$\begin{array}{r}
 32 \\
 \times 81 \\
 \hline
 2592
 \end{array}$$

$$\begin{array}{r}
 \text{ice cream cone} \quad \text{ice cream cone} \\
 \times \text{bird} \quad \text{hand} \\
 \hline
 \text{frog} \quad \text{stick figure} \quad \text{stick figure} \quad \text{hand}
 \end{array}$$

$$\begin{array}{r}
 66 \\
 \times 40 \\
 \hline
 \text{frog} \quad \text{stick figure} \quad \text{stick figure} \quad \text{hand}
 \end{array}$$

Code Numbers

Regular Numbers

$$\begin{array}{r}
 \text{house} \quad \text{frog} \\
 \times \text{stick figure} \quad \text{house} \\
 \hline
 \text{stick figure} \quad \text{house} \quad \text{house} \quad \text{frog}
 \end{array}$$

$$\begin{array}{r}
 75 \\
 \times 37 \\
 \hline
 2775
 \end{array}$$

$$\begin{array}{r}
 \text{frog} \quad \text{ant} \\
 \times \text{pencil} \quad \text{bird} \\
 \hline
 \text{frog} \quad \text{stick figure} \quad \text{pencil} \quad \text{frog}
 \end{array}$$

$$\begin{array}{r}
 51 \\
 \times 84 \\
 \hline
 4284
 \end{array}$$

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**CODE MATH**



Name: \_\_\_\_\_

# Secret Code Math

Multiplication 3-Digits by 2-digits

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
$\omega$	$\Psi$	$\Pi$	$\Sigma$	$\varphi$	$\alpha$	$E$	$\phi$	$\gamma$	$\lambda$

Code Numbers	Regular Numbers
$\phi$ $\lambda$ $\Psi$	8 0 2
$\times$ $\omega$ $\Pi$	$\times$ 1 3

Code Numbers	Regular Numbers
$\varphi$ $\Psi$ $\Pi$	
$\times$ $\Psi$ $\alpha$	

Code Numbers	Regular Numbers
$E$ $\lambda$ $\omega$	
$\times$ $\Pi$ $\alpha$	

Code Numbers	Regular Numbers
$\alpha$ $\gamma$ $E$	

Code Numbers	Regular Numbers
$\Sigma$ $\lambda$ $\lambda$	
$\times$ $E$ $\phi$	

Code Numbers	Regular Numbers
$\varphi$ $\Sigma$ $\gamma$	
$\times$ $\Sigma$ $\Psi$	



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Multiplication 3-Digits by 2-digits

Decode the numbers and find the products.

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>0</b>
$\omega$	$\Psi$	$\Pi$	$\Sigma$	$\phi$	$\alpha$	$E$	$\phi$	$\gamma$	$\lambda$

Code Numbers	Regular Numbers
$\phi \lambda \Psi$	<b>8 0 2</b>
$\times \omega \Pi$	<b>x 1 3</b>
<hr/>	
$\omega \lambda \Sigma \Psi \alpha$	<b>10,426</b>

Code Numbers	Regular Numbers
$\phi \Psi \Pi$	<b>5 2 3</b>
$\times \Psi \alpha$	<b>x 2 6</b>
<hr/>	
$\omega \Pi \phi \gamma \phi$	<b>13,598</b>

Code Numbers	Regular Numbers
$E \lambda \omega$	<b>7 0 1</b>
$\times \Pi \alpha$	<b>x 3 6</b>
<hr/>	
$\Psi \phi \Psi \Pi \alpha$	<b>25,236</b>

Code Numbers	Regular Numbers
$\alpha \gamma E$	<b>6 9 7</b>
$\times \omega \omega$	<b>x 1 1</b>
<hr/>	

Code Numbers	Regular Numbers
$\Sigma \lambda \lambda$	<b>4 0 0</b>
$\times E \phi$	<b>x 7 8</b>
<hr/>	
$\Pi \omega \Psi \lambda \lambda$	<b>31,200</b>

Code Numbers	Regular Numbers
$\phi \Sigma \gamma$	<b>5 4 9</b>
$\times \Sigma \Psi$	<b>x 4 2</b>
<hr/>	
$\Psi \Pi \lambda \phi \phi$	<b>23,058</b>



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Name: \_\_\_\_\_

# Secret Code Math

Division: Basic Facts

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
⊗	\$	☺	☹	☹	⊗	⊕	⊕	▽	⊙

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⊗} \overline{) \text{☹ } \text{⊕}} \end{array}$$

$$6 \overline{) 48}$$

$$\begin{array}{r} \text{⊕} \overline{) \text{☹ } \text{⊗}} \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{▽} \overline{) \text{☹ } \text{☹}} \end{array}$$

$$\begin{array}{r} \text{⊕} \overline{) \text{☹ } \$} \end{array}$$

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{☺} \overline{) \$ \text{☹}} \end{array}$$

$$\begin{array}{r} \text{⊕} \overline{) \text{☹ } \text{▽}} \end{array}$$

**SECRET**



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Name: \_\_\_\_\_

ANSWER KEY

# Secret Code Math

Division: Basic Facts

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
☼	⌘	☺	☹	☹	☉	⊕	⊕	☹	⊙

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{☉} \quad \text{☹} \quad \text{⊕} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 6 \overline{) 48} \end{array}$$

$$\begin{array}{r} \text{⊕} \quad \text{☹} \quad \text{☉} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 8 \overline{) 56} \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{☉} \\ \text{☹} \quad \text{☹} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 9 \overline{) 54} \end{array}$$

$$\begin{array}{r} \text{☉} \\ \text{⊕} \quad \text{☹} \quad \text{⌘} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 7 \overline{) 42} \end{array}$$

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{☹} \quad \text{⌘} \quad \text{☹} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 3 \overline{) 24} \end{array}$$

$$\begin{array}{r} \text{⊕} \\ \text{⊕} \quad \text{☹} \quad \text{☹} \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 7 \overline{) 49} \end{array}$$

SECRET



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Name: \_\_\_\_\_

# Secret Code Math

Division: One Digit Quotients with Remainders

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
●	•	///	☺	■	✓	◆	×	▼	☐

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\times \overline{\bullet \blacksquare}$$

$$8 \overline{1 \ 5}$$

$$\overline{\smile \bullet \checkmark}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\times \overline{\bullet \square}$$

$$\overline{\blacktriangledown \bullet \times}$$

Code Numbers

Regular Numbers

$$\times \overline{\checkmark \checkmark}$$

$$\overline{\blacklozenge \ \ \ \ // \ \ \ \ //}$$

**SECRET**



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Division: One Digit Quotients with Remainders

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
●	•	///	☺	■	✓	◆	×	▼	☐

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\times \overline{\bullet \blacksquare}$$

$$8 \overline{15} \begin{matrix} 1 \\ r7 \end{matrix}$$

$$\times \overline{\smile \checkmark}$$

$$4 \overline{26} \begin{matrix} 6 \\ r2 \end{matrix}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\times \overline{\bullet \square}$$

$$8 \overline{20} \begin{matrix} 2 \\ r4 \end{matrix}$$

$$\times \overline{\smile \checkmark}$$

$$4 \overline{26} \begin{matrix} 3 \\ r1 \end{matrix}$$

Code Numbers

Regular Numbers



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$$\times \overline{\checkmark \checkmark}$$

$$8 \overline{66} \begin{matrix} 8 \\ r2 \end{matrix}$$

$$\times \overline{/// \quad ///}$$

$$7 \overline{33} \begin{matrix} 4 \\ r5 \end{matrix}$$





Name: \_\_\_\_\_

# Secret Code Math

Division: Two Digit Quotients (No Remainders)

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
★	♡	✱	◻	◎	☾	⊞	⊗	⊠	▶

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⊞} \star \otimes \heartsuit \\ \hline \end{array}$$
$$\begin{array}{r} 7 \overline{) 182} \\ \hline \end{array}$$
$$\begin{array}{r} \text{☾} \text{⊞} \text{▶} \otimes \\ \hline \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⊠} \text{✱} \star \text{◎} \\ \hline \end{array}$$
$$\begin{array}{r} \text{⊠} \star \star \text{⊞} \\ \hline \end{array}$$

Code Numbers

Regular Numbers



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$$\begin{array}{r} \text{◻} \text{✱} \star \text{☾} \\ \hline \end{array}$$
$$\begin{array}{r} \text{◎} \heartsuit \text{✱} \text{◎} \\ \hline \end{array}$$


Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Division: Two Digit Quotients (No Remainders)

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
★	♡	✱	◻	◎	☾	⊠	⊗	⊞	➤

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \heartsuit \quad \text{☾} \\ \text{⊠} \overline{) \text{★} \text{⊗} \text{♡}} \end{array}$$

$$\begin{array}{r} 26 \\ 7 \overline{) 182} \end{array}$$

$$\begin{array}{r} \text{☾} \quad \text{⊗} \\ \text{☾} \overline{) \text{◻} \text{➤} \text{⊗}} \end{array}$$

$$\begin{array}{r} 68 \\ 6 \overline{) 408} \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{✱} \quad \text{◎} \\ \text{⊞} \overline{) \text{✱} \text{★} \text{◎}} \end{array}$$

$$\begin{array}{r} 35 \\ 9 \overline{) 315} \end{array}$$

$$\begin{array}{r} \text{★} \quad \text{✱} \\ \text{⊞} \overline{) \text{★} \text{★} \text{⊠}} \end{array}$$

$$\begin{array}{r} 13 \\ 9 \overline{) 117} \end{array}$$

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⊠} \quad \text{⊞} \\ \text{◻} \overline{) \text{✱} \text{★} \text{☾}} \end{array}$$

$$\begin{array}{r} 79 \\ 4 \overline{) 316} \end{array}$$

$$\begin{array}{r} \text{◻} \quad \text{⊠} \\ \text{◎} \overline{) \text{♡} \text{✱} \text{◎}} \end{array}$$

$$\begin{array}{r} 47 \\ 5 \overline{) 235} \end{array}$$

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**CODE MATH**



Name: \_\_\_\_\_

# Secret Code Math

Division: Two Digit Quotients with Remainders

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
♫	⚡	⊖	§	♥	Ⓜ	♊	⊙	★	💧

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⚡} \overline{) \text{§ } \text{♊}} \end{array}$$

$$\begin{array}{r} 2 \overline{) 4 \ 7} \end{array}$$

$$\begin{array}{r} \text{♥} \overline{) \text{Ⓜ } \text{★}} \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⚡} \overline{) \text{★ } \text{♊}} \end{array}$$

$$\begin{array}{r} \ominus \overline{) \text{Ⓜ } \text{⊙}} \end{array}$$

Code Numbers

Regular Numbers



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$$\begin{array}{r} \text{♊} \overline{) \text{★ } \text{§}} \end{array}$$

$$\begin{array}{r} \text{§} \overline{) \text{★ } \text{♊}} \end{array}$$



Name: \_\_\_\_\_

ANSWER KEY

# Secret Code Math

Division: Two Digit Quotients with Remainders

Decode the numbers and find the quotients.

1	2	3	4	5	6	7	8	9	0
♫	⚡	⊖	§	♥	∞	♋	⊙	★	💧

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⚡} \overline{) \text{§ } \text{♋}} \end{array}$$

$$\begin{array}{r} 23 \text{ r}1 \\ 2 \overline{) 47} \end{array}$$

$$\begin{array}{r} \text{♥} \overline{) \text{∞ } \text{★}} \end{array}$$

$$\begin{array}{r} 13 \text{ r}4 \\ 5 \overline{) 69} \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⚡} \overline{) \text{★ } \text{♋}} \end{array}$$

$$\begin{array}{r} 48 \text{ r}1 \\ 2 \overline{) 97} \end{array}$$

$$\begin{array}{r} 22 \text{ r}2 \\ \phantom{2} \overline{) \phantom{97}} \end{array}$$

Code Numbers

Regular Numbers

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**CODE MATH**

$$\begin{array}{r} \text{♋} \overline{) \text{★ } \text{§}} \end{array}$$

$$\begin{array}{r} 13 \text{ r}3 \\ 7 \overline{) 94} \end{array}$$

$$\begin{array}{r} \text{§} \overline{) \text{★ } \text{♋}} \end{array}$$

$$\begin{array}{r} 24 \text{ r}1 \\ 4 \overline{) 97} \end{array}$$
































Name: \_\_\_\_\_

# Secret Code Math

Rounding to the Nearest Ten

Decode the numbers and round to the nearest ten.

1	2	3	4	5	6	7	8	9	0
									

Code Numbers	Real Numbers	Round to the Nearest Ten
 	4 8	5 0
 		
 		
 		
 		
  		
  		
  		

**SECRET**



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Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Rounding to the Nearest Ten

Decode the numbers and round to the nearest ten.

1	2	3	4	5	6	7	8	9	0
									

**Code Numbers**



**Real Numbers**

**Round to the Nearest Ten**

**4 8**

**5 0**

**2 3**

**2 0**

**7 5**

**8 0**

**8 6**

**9 0**

**6 1**

**0 5**

**6 0 5**

**6 1 0**

**6 0 5**

**6 1 0**

**6 0 5**

**6 1 0**

**SECRET**



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Name: \_\_\_\_\_

# Secret Code Math

Rounding to the Nearest Hundred

Decode the numbers and round to the nearest hundred.

1	2	3	4	5	6	7	8	9	0
*	/	⊕	♥	♣	◆	♠	△	◇	○

Code Numbers

Real Numbers

Round to the Nearest Hundred

/ ◆ ⊕

2 6 3

3 0 0

♣ ⊕ ◇

\_\_\_\_\_

\_\_\_\_\_

△ ○ △

\_\_\_\_\_

\_\_\_\_\_

♥ ♣ ○

\_\_\_\_\_

\_\_\_\_\_

△ ♥

\_\_\_\_\_

\_\_\_\_\_

△ ◆ \*

\_\_\_\_\_

\_\_\_\_\_

◆ ♣ / ♠

\_\_\_\_\_

\_\_\_\_\_

△ ♠ ♣ /

\_\_\_\_\_

\_\_\_\_\_

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**CODE MATH**



Name: \_\_\_\_\_

**ANSWER KEY**

# Secret Code Math

Rounding to the Nearest Hundred

Decode the numbers and round to the nearest hundred.

1	2	3	4	5	6	7	8	9	0
*	/	♣	♥	♠	♦	♠	△	◇	○

Code Numbers	Real Numbers	Round to the Nearest Hundred
/ ♦ ♣	2 6 3	3 0 0
♣ ♣ ◇	5 3 9	5 0 0
△ ○ △	8 0 8	8 0 0
♥ ♣ ○	4 5 0	5 0 0
△ ♥	8 4	1 0 0
△ ♦ *		
♦ ♣ / ♠		
△ ♠ ♣ /	8, 7 5 2	8, 8 0 0

**SECRET**



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**CODE MATH**





Name: \_\_\_\_\_

# Secret Code Math

Comparing Numbers Using  $<$ ,  $>$ , and  $=$

Decode the numbers. Write the real numbers above the symbols. Then use  $<$ ,  $>$ , or  $=$  to compare. The first one has been done for you.

1	2	3	4	5	6	7	8	9	0

3	4	5		5	4	3			
			$<$						
_____				_____			_____	_____	_____

_____				_____				_____	_____	_____

_____				_____				_____	_____	_____

_____				_____		

_____			_____		

_____				_____				_____	_____	_____

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ANSWER KEY

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Decode the numbers. Write the real numbers above the symbols. Then use  $<$ ,  $>$ , or  $=$  to compare. The first one has been done for you.

1	2	3	4	5	6	7	8	9	0

<p>3 4 5</p> <p> </p> <hr/>	<p><math>&lt;</math></p>	<p>5 4 3</p> <p> </p> <hr/>	<p>2 4 3</p> <p> </p> <hr/>	<p><math>&gt;</math></p>	<p>2 3 4</p> <p> </p> <hr/>
<p>1 2 8</p> <p> </p> <hr/>	<p><math>&gt;</math></p>	<p>1 2 4</p> <p> </p> <hr/>	<p>6 8 0</p> <p> </p> <hr/>	<p><math>&lt;</math></p>	<p>8 0 6</p> <p> </p> <hr/>
<p>3 4 6</p> <p> </p> <hr/>	<p><math>=</math></p>	<p>3 4 6</p> <p> </p> <hr/>	<p>2 9 9</p> <p> </p> <hr/>	<p><math>&gt;</math></p>	<p>2 0 1</p> <p> </p> <hr/>
<p>6 0 1</p> <p> </p> <hr/>	<p><math>&gt;</math></p>	<p>4 9 9</p> <p> </p> <hr/>	<p>6 7 8</p>	<p><math>&gt;</math></p>	<p>6 8 7</p> <p> </p> <hr/>
<p>8 9</p> <p> </p> <hr/>	<p><math>&lt;</math></p>	<p>1 6 6</p> <p> </p> <hr/>	<p>6 7 8</p>	<p><math>&gt;</math></p>	<p>6 9</p> <p> </p> <hr/>
<p>7 1 6</p> <p> </p> <hr/>	<p><math>&gt;</math></p>	<p>6 1 7</p> <p> </p> <hr/>	<p>2 2 8</p> <p> </p> <hr/>	<p><math>&lt;</math></p>	<p>2 8 2</p> <p> </p> <hr/>

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