

SECRET



CODE MATH

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Thank you for downloading the PREVIEW
version of the Secret Code Math Worksheets.

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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 Uei

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





Addition	
3-Digit Addends	5
Addition	
4-Digit Addends	7
Addition	
Column Addition: 3-Addends, 3-Digits	9
Addition	
Column Addition, 3-Addends, 4-Digits	11
Subtraction	
No Borrowing, 2-Digit Numbers	13
Subtraction	
Borrowing (Regrouping), 2-Digit Numbers	15
Subtraction	
Borrowing (Regrouping), 3-Digit numbers	17
Subtraction	
Borrowing (Regrouping) Across Zero, 3-Digit Numbers	19
Subtraction	
Subtraction (Regrouping) Across Zero, 4-Digit Numbers	21
Multiplication	
Basic Facts 0 - 9	23
Multiplication	
Basic Facts 0 - 12	25
Multiplication	
Hundreds Patterns	27





Multiplication	
2-Digits by 1-Digit	29
Multiplication	
3-Digits by 1-Digit	31
Multiplication	
2-Digits by 2-Digits	33
Multiplication	
3-Digits by 2-Digits	35
Division	
Basic Facts	37
Division	
1-Digit Quotients with Remainders	39
Division	
2-Digit Quotients without Remainders	41
Division	
2-Digit Quotients with Remainders	43
Rounding	
Rounding to the Nearest Ten	45
Rounding	
Rounding to the Nearest Hundred	47
Comparing	
Compare Numbers Using, <, >, and =	49



Name: _____

Secret Code Math

Addition with 3-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

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

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

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

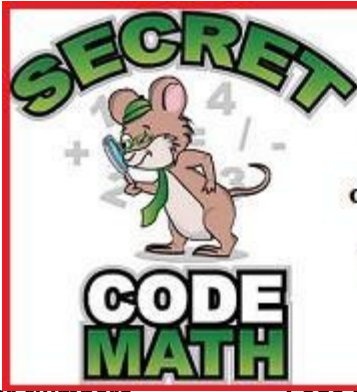
Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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



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Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

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



Name: _____

ANSWER KEY

Secret Code Math

Addition with 3-Digit Addends

Decode the addends and find the sums.

1	2	3	4	5	6	7	8	9	0
⚡	◎	◻	◐	⊗	💧	▽	😊	♊	♈

Code Numbers

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

Regular Numbers

$$\begin{array}{r} 1 \ 4 \ 6 \\ + 1 \ 7 \ 3 \\ \hline 3 \ 1 \ 9 \end{array}$$

Code Numbers

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

Regular Numbers

$$\begin{array}{r} 2 \ 5 \ 6 \\ + 4 \ 5 \ 3 \\ \hline 7 \ 0 \ 9 \end{array}$$

Code Numbers

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

Regular Numbers

$$\begin{array}{r} 1, \\ \hline \end{array}$$



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Code Numbers

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

Regular Numbers

$$\begin{array}{r} 6 \ 0 \ 3 \\ + 7 \ 8 \ 3 \\ \hline 1, \ 3 \ 8 \ 6 \end{array}$$

Code Numbers

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

Regular Numbers

$$\begin{array}{r} 6 \ 9 \ 1 \\ + 1 \ 5 \ 4 \\ \hline 8 \ 4 \ 5 \end{array}$$



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

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

$$\heartsuit \quad * \quad * \quad \diamond$$

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

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{r} \diamond \quad * \quad \star \quad \blacklozenge \\ + \quad \heartsuit \quad \blacklozenge \quad \uparrow \\ \hline * \quad \diamond \quad * \quad \heartsuit \end{array}$			$\begin{array}{r} 8 \\ 9 \\ 7 \end{array}$



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



Name: _____

Secret Code Math

Column Addition with 3-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
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

Code Numbers		Regular Numbers		Code Numbers		Regular Numbers
		1 3 6				
		3 6 8				
+		9 1		+		

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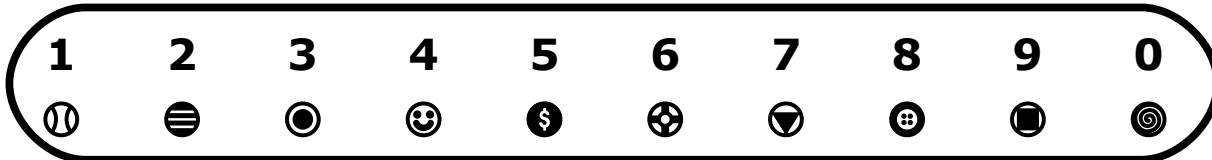
Name: _____

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

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

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

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



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

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

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



Name: _____

Secret Code Math

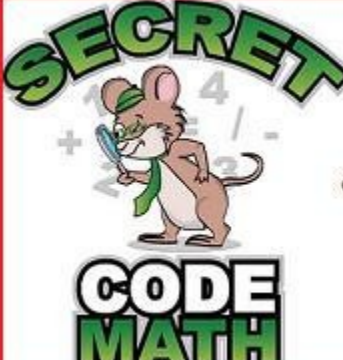
Column Addition with 4-Digit Addends

Decode the addends and find the sums.

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

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

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



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



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 Nu



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Regular Numbers

4, 2 8 6

2, 4 6 8

5, 7 3 1

2, 4 8 5

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



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

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⌢} \quad \text{└} \\ - \quad \text{///} \quad \bullet \end{array}$$

$$\begin{array}{r} 8 \quad 7 \\ - \quad 2 \quad 6 \end{array}$$

$$\begin{array}{r} \text{\\} \quad \text{⌢} \\ - \quad \quad \text{◀} \end{array}$$

Code Numbers

Regular

Code

Regular Numbers

$$\begin{array}{r} \text{⌣} \quad \text{\\} \\ - \quad \text{◀} \quad \text{\\} \end{array}$$

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Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{└} \quad \text{⌣} \\ - \quad \text{///} \quad \text{└} \end{array}$$

$$\begin{array}{r} \text{└} \quad \text{◀} \\ - \quad \bullet \quad \bullet \end{array}$$



Name: _____

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
$\begin{array}{r} \text{⌒} \quad \text{└} \\ - \quad \text{///} \quad \text{•} \\ \hline \text{•} \quad \text{X} \end{array}$	$\begin{array}{r} 8 \quad 7 \\ - \quad 2 \quad 6 \\ \hline 6 \quad 1 \end{array}$

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

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

Code Numbers	Regular Numbers
$\begin{array}{r} \text{•} \quad \text{⊖} \\ - \quad \text{●} \quad \text{•} \\ \hline \text{///} \end{array}$	$\begin{array}{r} 6 \quad 9 \\ - \quad 4 \quad 6 \\ \hline 2 \quad 3 \end{array}$

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



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
⊠ ←	6 2
- ♡ ⊙	- 3 4

Code Numbers	Regular Numbers
⊗ ☆	
- ★ ♥	

Code Numbers	Regular Numbers
⊠ ➡	
- ← ⊠	

Code Numbers	Regular Numbers
⊠ ⊙	
- ⊙ ⊠	



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Code Numbers	Regular Numbers
♡ ⊙	
- ➡ ☆	

Code Numbers	Regular Numbers
♥ ⊠	
- ⊙ ☆	



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
$\begin{array}{r} \star \leftarrow \\ - \heartsuit \odot \\ \hline \leftarrow \otimes \end{array}$	$\begin{array}{r} 6 \ 2 \\ - 3 \ 4 \\ \hline 2 \ 8 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \otimes \star \\ - \star \heartsuit \\ \hline \rightarrow \heartsuit \end{array}$	$\begin{array}{r} 8 \ 0 \\ - 6 \ 5 \\ \hline 1 \ 5 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \star \rightarrow \\ - \leftarrow \star \\ \hline \odot \odot \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline 4 \end{array}$

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Code Numbers	Regular Numbers
$\begin{array}{r} \heartsuit \odot \\ - \rightarrow \star \\ \hline \rightarrow \heartsuit \end{array}$	$\begin{array}{r} 3 \ 4 \\ - 1 \ 9 \\ \hline 1 \ 5 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \heartsuit \star \\ - \odot \star \\ \hline \otimes \end{array}$	$\begin{array}{r} 5 \ 7 \\ - 4 \ 9 \\ \hline 8 \end{array}$













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
$\begin{array}{r} \text{diagonal slash} \quad \text{circle with horizontal line} \quad \text{square} \\ - \quad \quad \quad \text{solid circle} \quad \text{minus sign} \end{array}$	$\begin{array}{r} 3 \quad 9 \quad 4 \\ - \quad 7 \quad 8 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{square} \quad \text{dotted circle} \quad \text{solid circle} \\ - \quad \text{dotted circle} \quad \text{solid circle} \quad \text{target} \end{array}$	$\begin{array}{r} 3 \quad 9 \quad 4 \\ - \quad 7 \quad 8 \end{array}$

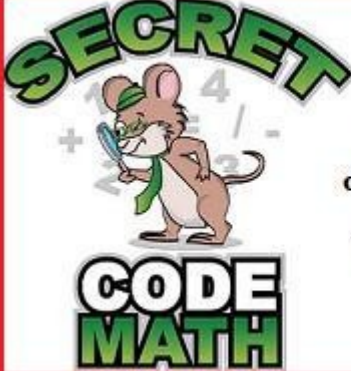
Code Numbers	Regular Numbers
$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{half circle} \\ - \quad \text{diagonal slash} \quad \text{solid circle} \quad \text{circle with X} \end{array}$	$\begin{array}{r} \text{half circle} \quad \text{minus sign} \quad \text{plus sign} \\ - \quad \quad \quad \text{plus sign} \quad \text{square} \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{minus sign} \quad \text{plus sign} \quad \text{half circle} \\ - \quad \text{diagonal slash} \quad \text{solid circle} \quad \text{circle with X} \end{array}$	$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{square} \\ - \quad \quad \quad \text{plus sign} \quad \text{square} \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{half circle} \\ - \quad \text{diagonal slash} \quad \text{solid circle} \quad \text{circle with X} \end{array}$	$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{square} \\ - \quad \quad \quad \text{plus sign} \quad \text{square} \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{half circle} \\ - \quad \text{diagonal slash} \quad \text{solid circle} \quad \text{circle with X} \end{array}$	$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{square} \\ - \quad \quad \quad \text{plus sign} \quad \text{square} \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \text{plus sign} \quad \text{square} \quad \text{solid circle} \\ - \quad \text{dotted circle} \quad \text{minus sign} \quad \text{plus sign} \end{array}$	$\begin{array}{r} \text{circle with horizontal line} \quad \text{plus sign} \quad \text{square} \\ - \quad \quad \quad \text{plus sign} \quad \text{square} \end{array}$



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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
$\begin{array}{r} \ominus \quad \ominus \quad \square \\ - \quad \bullet \quad \ominus \\ \hline \ominus \quad \odot \quad \ominus \end{array}$	$\begin{array}{r} 3 \ 9 \ 4 \\ - \quad 7 \ 8 \\ \hline 3 \ 1 \ 6 \end{array}$

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

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

Code Numbers	Regular Numbers
$\begin{array}{r} \ominus \quad + \quad \ominus \\ - \quad \ominus \quad \bullet \quad \otimes \\ \hline \square \quad \◎ \quad \ominus \end{array}$	$\begin{array}{r} 4 \ 3 \ 0 \\ - \ 2 \ 2 \ 6 \\ \hline 2 \ 0 \ 4 \end{array}$

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

Code Numbers	Regular Numbers
$\begin{array}{r} \ominus \quad + \quad \ominus \\ - \quad \ominus \quad \bullet \quad \otimes \\ \hline \square \quad \◎ \quad \ominus \end{array}$	$\begin{array}{r} 4 \ 3 \ 0 \\ - \ 2 \ 2 \ 6 \\ \hline 2 \ 0 \ 4 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \ominus \quad + \quad \ominus \\ - \quad \ominus \quad \bullet \quad \otimes \\ \hline \square \quad \◎ \quad \ominus \end{array}$	$\begin{array}{r} 4 \ 3 \ 0 \\ - \ 2 \ 2 \ 6 \\ \hline 2 \ 0 \ 4 \end{array}$

Code Numbers	Regular Numbers
$\begin{array}{r} \ominus \quad + \quad \ominus \\ - \quad \ominus \quad \bullet \quad \otimes \\ \hline \square \quad \◎ \quad \ominus \end{array}$	$\begin{array}{r} 4 \ 3 \ 0 \\ - \ 2 \ 2 \ 6 \\ \hline 2 \ 0 \ 4 \end{array}$



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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
4 0 0
- 1 2 6

Code Numbers
-

Code Numbers
-

Regular Numbers
4 0 0
- 1 2 6

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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
	4 0 0
-	- 1 2 6
<hr/>	<hr/>
	2 7 4

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

Code Numbers	Regular Numbers
	5 0 0
-	- 1 2 6
<hr/>	<hr/>
	2 7 4

Code Numbers	Regular Numbers
	4 0 7
-	- 1 5 9
<hr/>	<hr/>
	2 4 8

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

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



Name: _____

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
✱ ♪ ♪ ◐	4, 0 0 7
- ⊕ ◇ ⊠ ⬠	- 1, 5 9 8

Code Numbers	Regular Numbers
◇ ♪ ♪ ♪	
- ⋈ ✱✱ ⊕ ✱	

Code Numbers	Regular Numbers
✱✱ ♪ ♪ ♪	
- ⊕ ⬠	



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Code Numbers	Regular Numbers
⋈ ♪ ♪ ⊠	
- ⊕ ⊠ ⊠ ⬠	

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



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
	♠	♥	♣	♦	♣	✚	◐	★	!

7 8
✚ x ◐ = 56

★ x ✚ = _____

◐ x ♣ = _____

♥ x ◐ = _____

! x ♠ = _____

♥ x ★ = _____

♣ x ◐ = _____

★ x ♣ = _____

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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
	♠	♥	♣	♦	♣	✚	◐	☆	!

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

$$\begin{array}{r} 9 \quad 7 \\ \text{☆} \times \text{✚} = \underline{63} \end{array}$$

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

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

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

$$\begin{array}{r} 6 \quad 7 \end{array}$$

$$\begin{array}{r} 3 \quad 9 \\ \text{♥} \times \text{☆} = \underline{2} \end{array}$$



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

$$\begin{array}{r} 9 \quad 4 \\ \text{☆} \times \text{♣} = \underline{36} \end{array}$$



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
Σ	ϖ	π	α	Ψ	β	Ω	λ	Λ	ϕ

$$\begin{array}{ccc} 1 & 2 & 2 \\ \Sigma & \varpi & \times \varpi = \end{array} \underline{24}$$

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

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

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

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

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

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

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



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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.

1	2	3	4	5	6	7	8	9	0
Σ	ϖ	π	α	Ψ	β	Ω	λ	Λ	ϕ

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

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

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

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

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

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8

$$\begin{array}{r} 3 \\ \pi \quad \times \quad \beta = \end{array} \underline{1 \quad 8}$$

$$\Sigma \quad \varpi \quad \times \quad \Sigma \quad \Sigma = \underline{1 \quad 3 \quad 2}$$

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

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



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%;"/>	

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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Name: _____

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 8
<hr/>	<hr/>
	2 0 0

Code Numbers	Regular Numbers
	9 0 0
x	x 8
<hr/>	<hr/>
	2 0 0

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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CODE MATH



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

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

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

$$\begin{array}{r} \text{📺} \ \text{♥} \\ \times \quad \text{⊕} \\ \hline \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

☆ ☆



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Code Numbers

Numbers

$$\begin{array}{r} \text{📺} \ \text{⊕} \\ \times \quad \text{↩} \\ \hline \end{array}$$

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



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

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



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Regular Numbers

$$\begin{array}{r} 7 \ 7 \\ \times \quad 9 \\ \hline 9 \ 3 \end{array}$$

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

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



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																		
<table style="margin: auto;"> <tr> <td style="padding: 5px;">///</td> <td style="padding: 5px;">└</td> <td style="padding: 5px;">⦿</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">☺</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	///	└	⦿	x		☺				<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
///	└	⦿																	
x		☺																	
4	6	2																	
x		3																	

Code Numbers	Regular Numbers																		
<table style="margin: auto;"> <tr> <td style="padding: 5px;">┌</td> <td style="padding: 5px;">■</td> <td style="padding: 5px;"> </td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">///</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	┌	■		x		///				<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
┌	■																		
x		///																	
4	6	2																	
x		3																	

Code Numbers	Regular Numbers																		
<table style="margin: auto;"> <tr> <td style="padding: 5px;">●</td> <td style="padding: 5px;">└</td> <td style="padding: 5px;">└</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">◆</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	●	└	└	x		◆				<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
●	└	└																	
x		◆																	
4	6	2																	
x		3																	

Code Numbers	Regular Numbers																		
<table style="margin: auto;"> <tr> <td style="padding: 5px;">///</td> <td style="padding: 5px;">///</td> <td style="padding: 5px;">◆</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"> </td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	///	///	◆	x						<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
///	///	◆																	
x																			
4	6	2																	
x		3																	



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<table style="margin: auto;"> <tr> <td style="padding: 5px;">⦿</td> <td style="padding: 5px;">└</td> <td style="padding: 5px;">└</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">◆</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	⦿	└	└	x		◆				<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
⦿	└	└																	
x		◆																	
4	6	2																	
x		3																	

Code Numbers	Regular Numbers																		
<table style="margin: auto;"> <tr> <td style="padding: 5px;">⦿</td> <td style="padding: 5px;">└</td> <td style="padding: 5px;">└</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">◆</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	⦿	└	└	x		◆				<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
⦿	└	└																	
x		◆																	
4	6	2																	
x		3																	

Code Numbers	Regular Numbers																		
<table style="margin: auto;"> <tr> <td style="padding: 5px;">⦿</td> <td style="padding: 5px;">└</td> <td style="padding: 5px;">└</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">◆</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	⦿	└	└	x		◆				<table style="margin: auto;"> <tr> <td style="padding: 5px;">4</td> <td style="padding: 5px;">6</td> <td style="padding: 5px;">2</td> </tr> <tr> <td style="padding: 5px;">x</td> <td style="padding: 5px;"></td> <td style="padding: 5px;">3</td> </tr> <tr> <td colspan="3" style="border-top: 1px solid black; height: 5px;"></td> </tr> </table>	4	6	2	x		3			
⦿	└	└																	
x		◆																	
4	6	2																	
x		3																	



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
/// ┌ ☺	4 6 2
x ☹	x 3
● ☺ ▼ ┌	1, 3 8 6

Code Numbers	Regular Numbers
┌ ■	5 0 9
x ///	x 4
☺ ■ ☹ ┌	2, 0 3 6

Code Numbers	Regular Numbers
● ┌	1 6 6
x <	x 8
● ● ┌ ☺	0 2 4

Code Numbers	Regular Numbers
☺ ┌ ☹	2 5 3
x <	x 8
● ● ┌ ☺	0 2 4

Code Numbers	Regular Numbers
/// // <	2 7 8
x	x 9
/// ■ ☺ ☹	4, 0 2 3

Code Numbers	Regular Numbers
┌ ┌ ┌	5 5 6
x ☺	x 2
┌ ┌ ┌	5 5 6



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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

$$\begin{array}{r} \text{telescope} \quad \text{ice cream cone} \\ \times \text{spider} \quad \text{stick figure} \\ \hline \end{array}$$

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

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

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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



Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

$$\begin{array}{r} \text{spider} \quad \text{spider} \\ \times \text{pencil} \quad \text{telescope} \\ \hline \end{array}$$

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Name: _____

ANSWER KEY

Secret Code Math

Multiplication: 2-Digits by 2-Digits

Decode the numbers and find the products.

1	2	3	4	5	6	7	8	9	0
									

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

$$\begin{array}{r}
 4 \quad 6 \\
 \times 1 \quad 2 \\
 \hline
 5 \quad 5 \quad 2
 \end{array}$$

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

$$\begin{array}{r}
 9 \quad 0 \\
 \times 4 \quad 7 \\
 \hline
 4 \quad 2 \quad 3 \quad 0
 \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

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$$\begin{array}{r}
 6 \quad 6 \\
 4 \quad 0 \\
 \hline
 4 \quad 0
 \end{array}$$

Code Numbers

Regular Numbers

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

$$\begin{array}{r}
 7 \quad 5 \\
 \times 3 \quad 7 \\
 \hline
 2 \quad 7 \quad 7 \quad 5
 \end{array}$$

$$\begin{array}{r}
 \text{cat} \quad \text{spider} \\
 \times \text{pencil} \quad \text{ice cream} \\
 \hline
 \text{ice cream} \quad \text{stick figure} \quad \text{pencil} \quad \text{ice cream}
 \end{array}$$

$$\begin{array}{r}
 5 \quad 1 \\
 \times 8 \quad 4 \\
 \hline
 4 \quad 2 \quad 8 \quad 4
 \end{array}$$



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
ω	Ψ	Π	Σ	ϕ	α	E	ϕ	γ	λ

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

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

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

Code Numbers	Regular Numbers
$E \ \lambda \ \omega$	$8 \ 0 \ 2$
$\times \ \Pi \ \alpha$	$\times \ 1 \ 3$



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Code Numbers	Regular Numbers
$\Sigma \ \lambda \ \lambda$	$8 \ 0 \ 2$
$\times \ E \ \phi$	$\times \ 1 \ 3$

Code Numbers	Regular Numbers
$\phi \ \Sigma \ \gamma$	$8 \ 0 \ 2$
$\times \ \Sigma \ \Psi$	$\times \ 1 \ 3$



Name: _____

ANSWER KEY

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
ω	Ψ	Π	Σ	ϕ	α	Ξ	ϕ	γ	λ

Code Numbers	Regular Numbers
$\phi \lambda \Psi$	8 0 2
$\times \omega \Pi$	x 1 3
<hr/>	
$\omega \lambda \Sigma \Psi \alpha$	1 0, 4 2 6

Code Numbers	Regular Numbers
$\phi \Psi \Pi$	5 2 3
$\times \Psi \alpha$	x 2 6
<hr/>	
$\omega \Pi \phi \gamma \phi$	1 3, 5 9 8

Code Numbers	Regular Numbers
$\Xi \lambda \omega$	7 0 1
$\times \Pi \alpha$	
<hr/>	
$\Psi \phi \Psi \Pi \alpha$	

Code Numbers	Regular Numbers
$\alpha \gamma \Xi$	6 9 7
$\times \Pi \alpha$	1 1
<hr/>	
$\Psi \phi \Psi \Pi \alpha$	6 7



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Code Numbers	Regular Numbers
$\Sigma \lambda \lambda$	4 0 0
$\times \Xi \phi$	x 7 8
<hr/>	
$\Pi \omega \Psi \lambda \lambda$	3 1, 2 0 0

Code Numbers	Regular Numbers
$\phi \Sigma \gamma$	5 4 9
$\times \Sigma \Psi$	x 4 2
<hr/>	
$\Psi \Pi \lambda \phi \phi$	2 3, 0 5 8



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

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

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

Regular Numbers



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

$$\begin{array}{r} \text{☘} \quad \text{😊} \quad \text{+} \\ \hline \text{🎯} \quad \text{☹} \quad \text{+} \end{array}$$

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

$$\begin{array}{r} \text{⊕} \\ \text{+} \quad \text{😞} \quad \text{🎯} \\ \hline \end{array}$$

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

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{🎯} \\ \text{▽} \quad \text{😞} \quad \text{☹} \\ \hline \end{array}$$

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CODE MATH

Code Numbers

bers

$$\begin{array}{r} \text{😊} \quad \text{+} \\ \text{😞} \quad \text{💰} \quad \text{☹} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 3 \overline{) 24} \end{array}$$

$$\begin{array}{r} \text{🎯} \\ \text{⊕} \quad \text{😞} \quad \text{▽} \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 7 \overline{) 49} \end{array}$$



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

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

$$8 \overline{15}$$

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

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

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CODE MATH

Code Numbers

Regular Numbers

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

$$\overline{\blacklozenge \equiv \equiv}$$



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

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

$$8 \overline{15} \quad \begin{matrix} 1 \text{ r}7 \end{matrix}$$

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

$$4 \overline{26} \quad \begin{matrix} 6 \text{ r}2 \end{matrix}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

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

2 r4



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3 r1

Code Numbers

numbers

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

$$8 \overline{66}$$

$$\times \overline{\blacklozenge \equiv \equiv}$$

$$7 \overline{33} \quad \begin{matrix} 4 \text{ r}5 \end{matrix}$$



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

⊞	★	⊗	♡
---	---	---	---

7	1	8	2
---	---	---	---

☾	◻	▶	⊗
---	---	---	---

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

⊠	✱	★	◎
---	---	---	---

⊠	★	★	⊞
---	---	---	---

Code Number

Regular Numbers

◻	✱	★
---	---	---

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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

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

$$\begin{array}{r} 4510 \\ 4 \overline{) 510} \end{array}$$

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

$$\begin{array}{r} 75 \\ 5 \overline{) 25} \end{array}$$

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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

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



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Code Numbers

Numbers

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

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



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

$$\begin{array}{r} \text{⚡} \overline{) \text{§ } \text{♋}} \\ \underline{2 \text{ } 4 \text{ } 7} \\ \text{2 } \text{3 } \text{r1} \end{array}$$

$$\begin{array}{r} \text{♥} \overline{) \text{Ⓜ } \text{★}} \\ \underline{5 \text{ } 6 \text{ } 9} \\ \text{1 } \text{3 } \text{r4} \end{array}$$

Code Numbers

Regular Numbers

Code Numbers

Regular Numbers

$$\begin{array}{r} \text{⚡} \overline{) \text{★ } \text{♋}} \\ \underline{2 \text{ } 9 \text{ } 7} \\ \text{4 } \text{8 } \text{r1} \end{array}$$

$$\begin{array}{r} \text{⊖} \overline{) \text{Ⓜ } \text{⊙}} \\ \underline{3 \text{ } 6 \text{ } 8} \\ \text{2 } \text{2 } \text{r2} \end{array}$$

Code Numbers

Numbers

$$\begin{array}{r} \text{♋} \overline{) \text{★ } \text{§}} \\ \underline{ } \\ \text{4 } \text{r1} \\ \underline{ } \\ \text{7} \end{array}$$



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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

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

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 0 5	6 1 0

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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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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
▲		
▲ ♦		
♦ ♣ / ♠	0, 5 2 7	0, 5 0 0
▲ ♠ ♣ /	8, 7 5 2	8, 8 0 0

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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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Name: _____

ANSWER KEY

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
  

2 4 3
  

$>$

2 3 4
  

1 2 8
  

$>$

1 2 4
  

6 8 0
  

$<$

8 0 6
  

3 4 6
  

$=$

3 4 6
  

2 9 9
  

$>$

2 0 1
  

6 0 1
  

$>$

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8 7
 




8 9
 




$<$

6 9
 

7 1 6
  

$>$

6 1 7
  

2 2 8
  

$<$

2 8 2
  

