

Name: _____

Multiplication

3-digit by 1-digit numbers

Directions: Use the number grid to decode the multiplication problems. Use the empty space to the right of each problem to show your work. Write the coordinates of the grid where your answer is found.

	A	B	C	D	E
1	327	5,220	3	9	5,454
2	606	423	8	2,418	403
3	4	8	5,728	432	7
4	546	9	580	716	2,616
5	2,961	888	6	2,664	108

exam



~ PREVIEW ~

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b. A, 1
 x C, 2

c. C, 4
 x D, 1

d. D, 4
 x B, 3

e. E, 5
 x A, 3

f. B, 5
 x C, 1

g. A, 2
 x B, 4

Name: _____

Multiplication - ANSWER KEY

3-digit by 1-digit numbers

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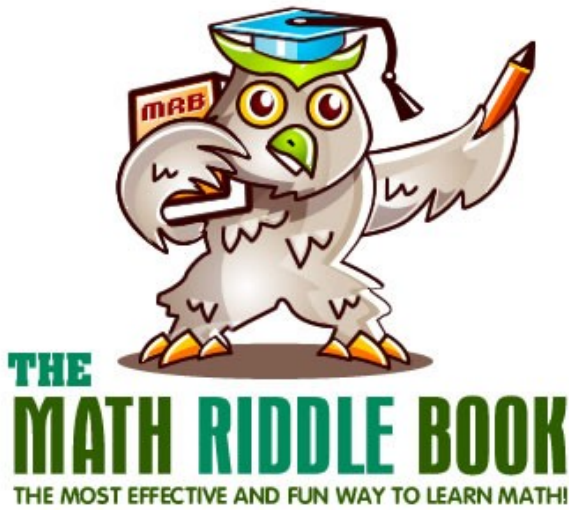
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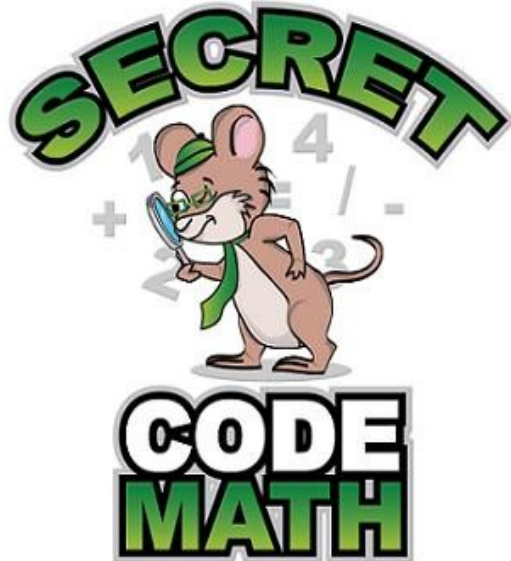
- | | | | | | | | | | | | | | |
|---|----------|-------|--------|-----|------|----------|---|------|-------|--------|-----|------|----------|
| <p>b.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: right;">A, 1</td> <td style="width: 50%; text-align: right;">3 2 7</td> </tr> <tr> <td style="text-align: right;">x C, 2</td> <td style="text-align: right;">x 8</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: right;">E, 4</td> <td style="border-top: 1px solid black; text-align: right;">2, 6 1 6</td> </tr> </table> | A, 1 | 3 2 7 | x C, 2 | x 8 | E, 4 | 2, 6 1 6 | <p>c.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: right;">C, 4</td> <td style="width: 50%; text-align: right;">5 8 0</td> </tr> <tr> <td style="text-align: right;">x D, 1</td> <td style="text-align: right;">x 9</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: right;">B, 1</td> <td style="border-top: 1px solid black; text-align: right;">5, 2 2 0</td> </tr> </table> | C, 4 | 5 8 0 | x D, 1 | x 9 | B, 1 | 5, 2 2 0 |
| A, 1 | 3 2 7 | | | | | | | | | | | | |
| x C, 2 | x 8 | | | | | | | | | | | | |
| E, 4 | 2, 6 1 6 | | | | | | | | | | | | |
| C, 4 | 5 8 0 | | | | | | | | | | | | |
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| B, 1 | 5, 2 2 0 | | | | | | | | | | | | |
| <p>d.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: right;">D, 4</td> <td style="width: 50%; text-align: right;">7 1 6</td> </tr> <tr> <td style="text-align: right;">x B, 3</td> <td style="text-align: right;">x 8</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: right;">C, 3</td> <td style="border-top: 1px solid black; text-align: right;">5, 7 2 8</td> </tr> </table> | D, 4 | 7 1 6 | x B, 3 | x 8 | C, 3 | 5, 7 2 8 | <p>e.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: right;">E, 5</td> <td style="width: 50%; text-align: right;">1 0 8</td> </tr> <tr> <td style="text-align: right;">x A, 3</td> <td style="text-align: right;">x 4</td> </tr> <tr> <td style="border-top: 1px solid black; text-align: right;">D, 3</td> <td style="border-top: 1px solid black; text-align: right;">4 3 2</td> </tr> </table> | E, 5 | 1 0 8 | x A, 3 | x 4 | D, 3 | 4 3 2 |
| D, 4 | 7 1 6 | | | | | | | | | | | | |
| x B, 3 | x 8 | | | | | | | | | | | | |
| C, 3 | 5, 7 2 8 | | | | | | | | | | | | |
| E, 5 | 1 0 8 | | | | | | | | | | | | |
| x A, 3 | x 4 | | | | | | | | | | | | |
| D, 3 | 4 3 2 | | | | | | | | | | | | |
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| B, 5 | 8 8 8 | | | | | | | | | | | | |
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| D, 5 | 2, 6 6 4 | | | | | | | | | | | | |
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For more fun multiplication worksheets, check out these two downloadable pdf eBooks.

www.mathriddlebook.com



www.secretcodemath.com



ode n.

de

Name: _____

The

Multiply blank lines

C



~ PREVIEW ~

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	670	1,338	3,304	8,784	1,148
S	908 $\times 2$ 1,816	T 232 $\times 5$ 1,160	R 144 $\times 7$ 1,008	E 622 $\times 8$ 4,976	H 107 $\times 7$ 749
N	567 $\times 3$ 1,701	S 400 $\times 4$ 1,600	E 167 $\times 3$ 501	R 444 $\times 4$ 1,776	R 500 $\times 7$ 3,500
N	128 $\times 4$ 512	I 349 $\times 8$ 2,792	W 987 $\times 0$ 0	Y 987 $\times 1$ 987	U 546 $\times 2$ 1,092
A	756 $\times 9$ 6,804	Y 128 $\times 2$ 256	C 600 $\times 3$ 1,800	O 510 $\times 6$ 3,060	

What did the doctor say to the invisible man?

S O R R Y, I
1,816 1,338 1,008 1,776 987 2,792

C A N T S E E Y O U
1,800 6,804 512 1,160 1,600 501 4,976 256 3,060 1,092

R I G H T N O W.
3,500 3,304 8,784 749 1,148 1,701 670 0

Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{c} \diagup \diagdown \curvearrowright \\ \times \quad \curvearrowleft \\ \bullet \quad \curvearrowright \end{array}$	$\begin{array}{r} 4 \ 6 \ 2 \\ \times \quad 3 \\ \hline 1, \ 3 \ 8 \ 6 \end{array}$	$\begin{array}{c} \square \blacksquare \mid \\ \times \quad \diagdown \\ \curvearrowleft \blacksquare \curvearrowright \end{array}$	$\begin{array}{r} 5 \ 0 \ 9 \\ \times \quad 4 \\ \hline 2, \ 0 \ 3 \ 6 \end{array}$
Code Numbers	Regular Numbers	Code Numbers	Regular Numbers
$\begin{array}{c} \bullet \quad \diagdown \diagup \\ \times \quad \div \\ \bullet \quad \bullet \quad \diagdown \curvearrowleft \end{array}$	$\begin{array}{r} 1 \ 6 \ 6 \\ \times \quad 7 \\ \hline 1, \ 1 \ 6 \ 2 \end{array}$	$\begin{array}{c} \curvearrowleft \square \curvearrowright \\ \times \quad \triangledown \\ \curvearrowleft \blacksquare \curvearrowleft \diagdown \end{array}$	$\begin{array}{r} 2 \ 5 \ 3 \\ \times \quad 8 \\ \hline 2, \ 0 \ 2 \ 4 \end{array}$
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