

Double Dose! Two Digit Multiplication for 3rd Grade

Looking for two digit multiplication practice for your third grader? Use this set of worksheets to support your child in building strong math skills.

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Two-Digit Multiplication

Multiplying a 2-digit number by a 1-digit number may seem difficult at first. However, if you arrange the numbers in columns, you will find how easy these problems really are.

EXAMPLE: $20 \times 2 = ?$



STEP 1

$$\begin{array}{r|l} 10 & 1 \\ \hline 20 \\ \times & 2 \\ \hline \end{array}$$

Arrange factors
in columns.

STEP 2

$$\begin{array}{r|l} 10 & 1 \\ \hline 20 \\ \times & 2 \\ \hline & 0 \\ \hline \end{array}$$

Multiply the 1s
column first.

STEP 3

$$\begin{array}{r|l} 10 & 1 \\ \hline 20 \\ \times & 2 \\ \hline 40 \\ \hline \end{array}$$

Multiply the
10s column.

For each problem below, rewrite each problem so that the numbers are in columns. Proceed to multiply the problem and solve. Be sure to show all of your work.

1. 43×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

2. 32×3

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

3. 11×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

4. 50×1

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

5. 14×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

6. 62×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

7. 61×7

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

8. 13×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

9. 15×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & \\ \times & \\ \hline \end{array}$$

Two-Digit Multiplication Practice



For each problem below, multiply and regroup if necessary. Be sure to show all of your work.

$$1) \begin{array}{r} 63 \\ \times 2 \\ \hline \end{array}$$

$$5) \begin{array}{r} 18 \\ \times 4 \\ \hline \end{array}$$

$$9) \begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$$

$$13) \begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

$$17) \begin{array}{r} 13 \\ \times 3 \\ \hline \end{array}$$

$$2) \begin{array}{r} 14 \\ \times 5 \\ \hline \end{array}$$

$$6) \begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$10) \begin{array}{r} 15 \\ \times 4 \\ \hline \end{array}$$

$$14) \begin{array}{r} 47 \\ \times 3 \\ \hline \end{array}$$

$$18) \begin{array}{r} 23 \\ \times 4 \\ \hline \end{array}$$

$$3) \begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

$$7) \begin{array}{r} 30 \\ \times 2 \\ \hline \end{array}$$

$$11) \begin{array}{r} 60 \\ \times 8 \\ \hline \end{array}$$

$$15) \begin{array}{r} 77 \\ \times 3 \\ \hline \end{array}$$

$$19) \begin{array}{r} 42 \\ \times 5 \\ \hline \end{array}$$

$$4) \begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$8) \begin{array}{r} 17 \\ \times 4 \\ \hline \end{array}$$

$$12) \begin{array}{r} 86 \\ \times 2 \\ \hline \end{array}$$

$$16) \begin{array}{r} 29 \\ \times 8 \\ \hline \end{array}$$

$$20) \begin{array}{r} 34 \\ \times 3 \\ \hline \end{array}$$



Name _____

Date _____

Two-Minute Math

How many problems can you solve in two minutes?

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 11 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline \end{array}$$

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

$$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 8 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

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

$$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$$

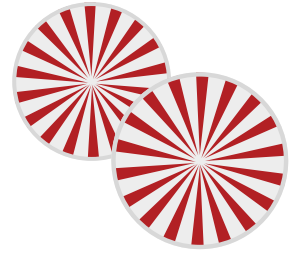
$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$$

Minty Multiplication

Find the product.



$$\begin{array}{r} 14 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 80 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 97 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 51 \\ \times 8 \\ \hline \end{array}$$


$$\begin{array}{r} 28 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 1 \\ \hline \end{array}$$

Multiplication: Regrouping


$$\begin{array}{r} 1 \\ \times 12 \\ \hline 5 \\ 0 \end{array}$$

First, multiply the 5 by the 2 to get 10. The number 0 is left below and the 1 is regrouped in the tens place.

$$\begin{array}{r} 1 \\ \times 12 \\ \hline 5 \\ 6 \end{array}$$

Next, multiply the 5 by the 1 in the tens place to get 5. Add the 1 you regrouped to get 6.

$$\begin{array}{r} 1 \\ \times 12 \\ \hline 5 \\ 60 \end{array}$$

Finally, since the number is under 10 and does not need to be regrouped, write the 6 below in the tens place.

Multiply the problems below.

$$\begin{array}{r} 13 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 29 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 5 \\ \hline \end{array}$$

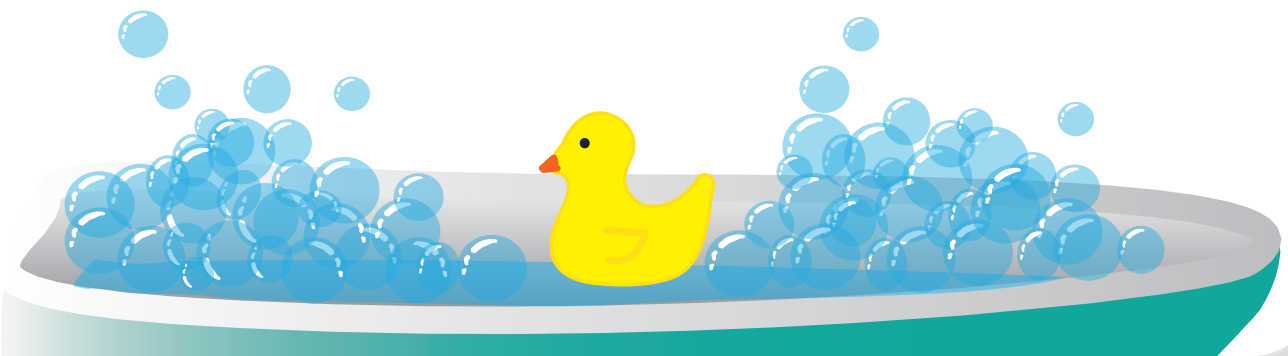
$$\begin{array}{r} 14 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 3 \\ \hline \end{array}$$



Multiplication: Regrouping

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

First, multiply the 5 by the 5 to get 25. The number 5 is left below and the 2 is regrouped above in the tens place.

$$\begin{array}{r} \overset{22}{5}5 \\ \times \quad 5 \\ \hline 75 \end{array}$$

Next, multiply the 5 ones by the 5 in the tens place to get 25. Add the 2 you regrouped to get 27. The 7 is left below in the tens place and the 2 is regrouped above in the hundreds place.

$$\begin{array}{r} \overset{22}{5}5 \\ \times \quad 5 \\ \hline 275 \end{array}$$

Finally, add the number 2 in the hundreds place above to the hundreds place below.

Multiply the problems below.

$$\begin{array}{r} 52 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times \quad 3 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ \times \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 95 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times \quad 2 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 8 \\ \hline \end{array}$$

$$\begin{array}{r} 44 \\ \times \quad 6 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times \quad 4 \\ \hline \end{array}$$

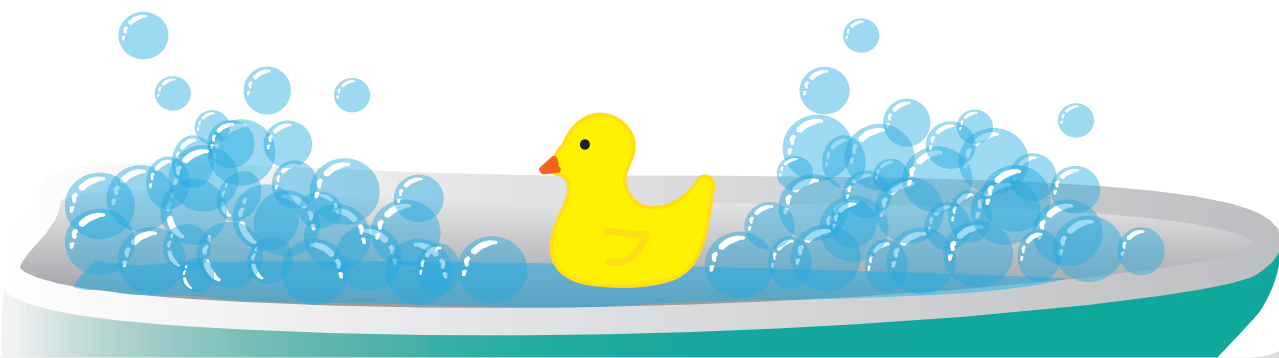
$$\begin{array}{r} 70 \\ \times \quad 5 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times \quad 2 \\ \hline \end{array}$$

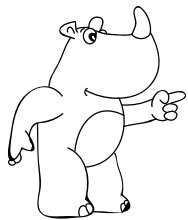
$$\begin{array}{r} 12 \\ \times \quad 9 \\ \hline \end{array}$$

$$\begin{array}{r} 84 \\ \times \quad 3 \\ \hline \end{array}$$



Multiplication with Regrouping

Multiplication with regrouping is the easiest way to multiply by large numbers.
Follow the steps below to learn how.



- First, multiply the numbers in the ones place.
- Write your result in the ones place and carry any number in the tens place forward.
- Next, multiply the number in the tens place by the bottom number in the ones place.
- Add the extra number you carried over to your result and write this number in the tens place.

Example:

	$\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$		$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline \end{array}$		$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline \end{array}$		$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline \end{array}$
Multiply the ones place.		Carry the 2 to the tens place.	Multiply the tens place by the bottom ones place.		Add the extra 2 and write your result.		
$7 \times 3 = 21$	$\underline{1}$		$1 \times 3 = 3$		$3 + 2 = 5$		$\underline{51}$

For each problem below, follow the steps used in the example to find your solution.
Be sure to show all of your work.

1)
$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 13 \\ \times 4 \\ \hline \end{array}$$

9)
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

13)
$$\begin{array}{r} 19 \\ \times 3 \\ \hline \end{array}$$

17)
$$\begin{array}{r} 14 \\ \times 4 \\ \hline \end{array}$$

21)
$$\begin{array}{r} 15 \\ \times 6 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 38 \\ \times 2 \\ \hline \end{array}$$

10)
$$\begin{array}{r} 29 \\ \times 3 \\ \hline \end{array}$$

14)
$$\begin{array}{r} 24 \\ \times 4 \\ \hline \end{array}$$

18)
$$\begin{array}{r} 28 \\ \times 4 \\ \hline \end{array}$$

22)
$$\begin{array}{r} 17 \\ \times 3 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 16 \\ \times 2 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 35 \\ \times 2 \\ \hline \end{array}$$

11)
$$\begin{array}{r} 18 \\ \times 4 \\ \hline \end{array}$$

15)
$$\begin{array}{r} 27 \\ \times 2 \\ \hline \end{array}$$

19)
$$\begin{array}{r} 13 \\ \times 7 \\ \hline \end{array}$$

23)
$$\begin{array}{r} 12 \\ \times 7 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 25 \\ \times 2 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 17 \\ \times 4 \\ \hline \end{array}$$

12)
$$\begin{array}{r} 36 \\ \times 2 \\ \hline \end{array}$$

16)
$$\begin{array}{r} 18 \\ \times 3 \\ \hline \end{array}$$

20)
$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$

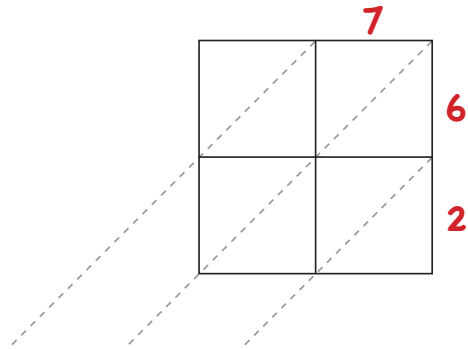
24)
$$\begin{array}{r} 72 \\ \times 9 \\ \hline \end{array}$$

Lattice Multiplication

1 Digits x 2 Digits

- 1.** Write one number across the top of the grid, and the other number along the right side.

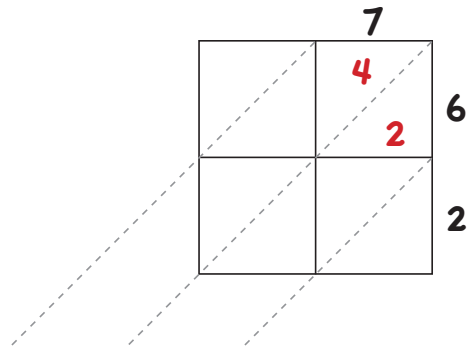
We are multiplying **7 x 62**



- 2.** Multiply each single digit on the top by each single digit on the right side.

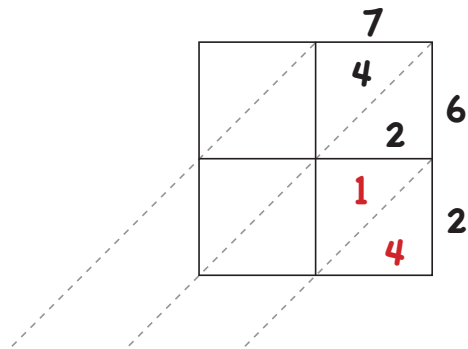
Write answer in the square. Each triangle in the square gets its own digit. If the answer is a single digit, put 0 in the first triangle.

$$7 \times 6 = 42$$



- 3.** Continue multiplying each single digit on the right side by the single digits on the top.

$$7 \times 2 = 14$$



- 4.** Starting on the right, add numbers diagonally and write sum next to dotted line. You might have to carry two-digit sums to the next place.

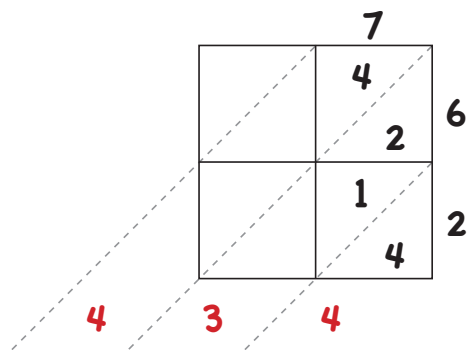
Sums from right to left:

4 (The bottom right triangle never changes.)

$$2 + 1 = 3$$

$$4 + 0 = 4$$

Answer: $7 \times 62 = 434$



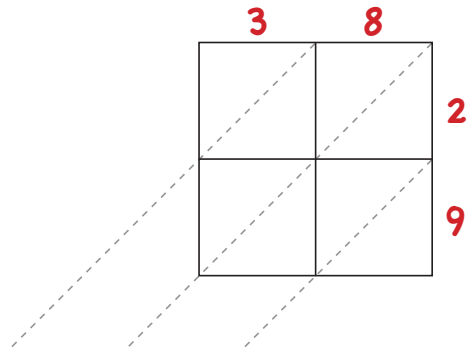
Lattice Multiplication

2 Digits x 2 Digits

1.

Write one number across the top of the grid, and the other number along the right side.

We are multiplying **38 x 29**



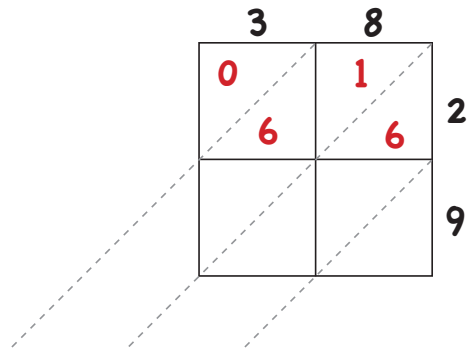
2.

Multiply each single digit on the top by each single digit on the right side.

Write answer in the square. Each triangle in the square gets its own digit. If the answer is a single digit, put 0 in the first triangle.

$$3 \times 2 = 6 \text{ (write 0, 6)}$$

$$8 \times 2 = 16$$

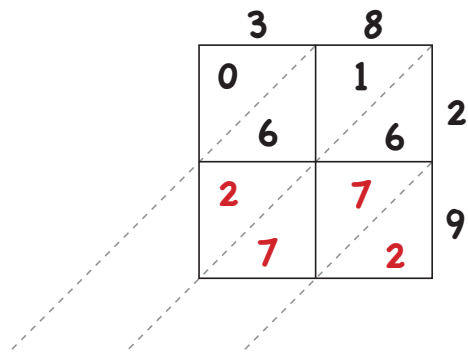


3.

Continue multiplying each single digit on the right side by the single digits on the top.

$$3 \times 9 = 27$$

$$8 \times 9 = 72$$



4.

Starting on the right, add numbers diagonally and write sum next to dotted line. You might have to carry two-digit sums to the next place.

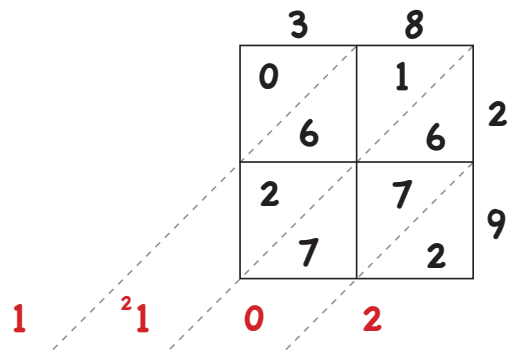
Sums from right to left:

2 (The bottom right triangle never changes.)

$$6 + 7 + 7 = 20 \text{ (Write 0, carry the 2)}$$

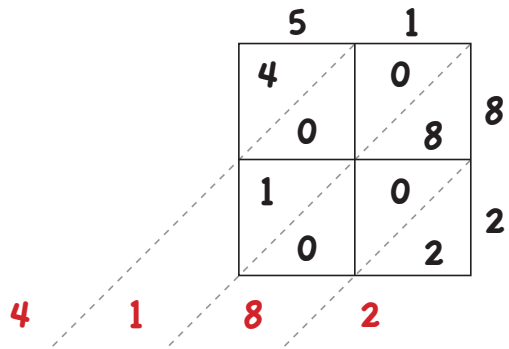
$$1 + 6 + 2 \text{ (+ 2, the carried number)} = 11$$

Answer: 38 x 29 = 1102



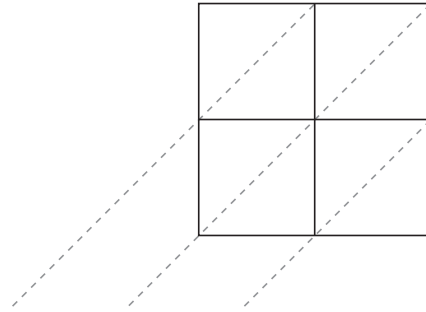
Lattice Multiplication - Double Digit

$$51 \times 82$$



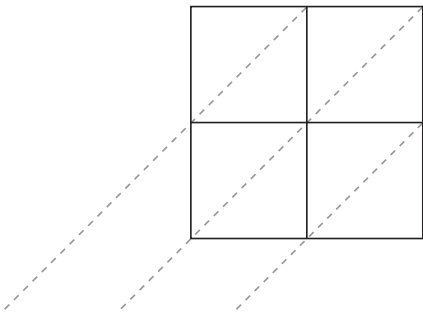
Answer 4182

$$42 \times 25$$



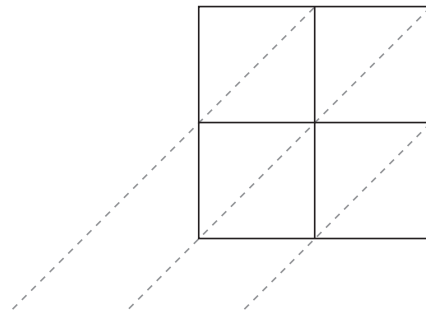
Answer _____

$$65 \times 43$$



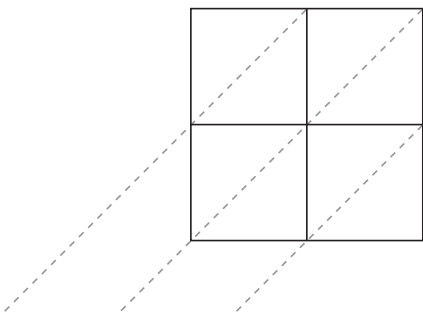
Answer _____

$$52 \times 43$$



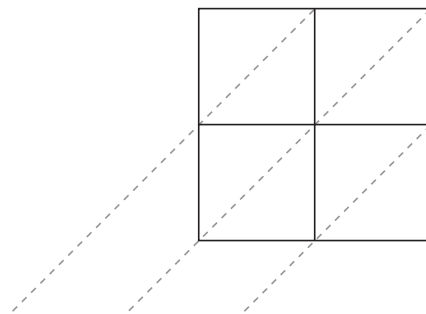
Answer _____

$$31 \times 57$$



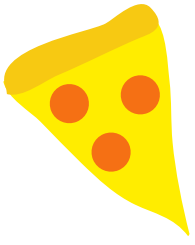
Answer _____

$$23 \times 45$$

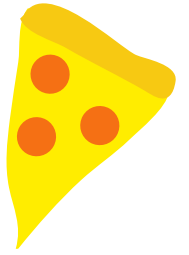


Answer _____

Multiplication Word Problems



SNACK TIME!



Solve the word problem and show your work!

1. Matt eats 3 meals per day. With each meal he likes to eat 15 green grapes. How many grapes will Matt eat during 1 day?
2. Anna wants to eat 3 tacos at each of the 3 taco stands in her neighborhood. She wants to do this 2 days in a row. How many tacos will Anna eat in the next 2 days?
3. Timmy puts 5 slices of cheese on his lunch sandwich. Timmy eats this sandwich every day for lunch. How many slices of cheese will Timmy eat on his sandwich in total over 14 days?
4. Ruby smears 1 spoonful of peanut butter onto 2 crackers to make a peanut butter sandwich. Her 3 friends each want 5 peanut butter sandwiches. How many crackers must Ruby use?
5. Alex uses 22 pepperoni pieces on his homemade pizza. A friend requested a special pizza with a double serving of pepperoni. How many pieces of pepperoni should Alex use on the special pizza?

Math-Go-Round

Multiplication | Difficulty: ★★☆☆



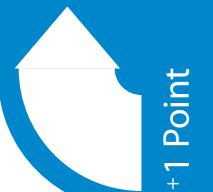

Find a friend and practice your multiplication skills. Find two coins or game pieces and place them on the square labeled **START**. Choose one of the problems to solve and move your game piece clockwise around the board to that problem's answer.

Keep track of the number of corners you go around on each move. For each one, give yourself a point. The player with the most points at the end is the winner.

Keep score with the table below.

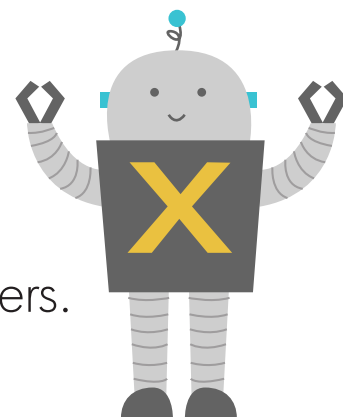
Player 1 Player 2

	Player 1	Player 2
Round 1		
Round 2		
Round 3		
Round 4		
Round 5		
Round 6		
Round 7		
Round 8		

 +1 Point	456	2,107	140	169	+1 Point 
840	$\begin{array}{r} 25 \\ \times 14 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ \times 13 \\ \hline \end{array}$	$\begin{array}{r} 42 \\ \times 20 \\ \hline \end{array}$	$\begin{array}{r} 13 \\ \times 13 \\ \hline \end{array}$	850
1,820	$\begin{array}{r} 50 \\ \times 17 \\ \hline \end{array}$	$\begin{array}{r} 45 \\ \times 39 \\ \hline \end{array}$	$\begin{array}{r} 14 \\ \times 10 \\ \hline \end{array}$	$\begin{array}{r} 18 \\ \times 12 \\ \hline \end{array}$	208
1,376	$\begin{array}{r} 30 \\ \times 23 \\ \hline \end{array}$	$\begin{array}{r} 65 \\ \times 28 \\ \hline \end{array}$	$\begin{array}{r} 16 \\ \times 16 \\ \hline \end{array}$	$\begin{array}{r} 78 \\ \times 59 \\ \hline \end{array}$	216
256	$\begin{array}{r} 24 \\ \times 19 \\ \hline \end{array}$	$\begin{array}{r} 43 \\ \times 32 \\ \hline \end{array}$	$\begin{array}{r} 31 \\ \times 27 \\ \hline \end{array}$	$\begin{array}{r} 49 \\ \times 43 \\ \hline \end{array}$	350
+1 Point 	837	1,755	4,602	690	+1 Point 

Multiplication Table

Robert the Multiplication Robot has lost a few of his screws! Help him complete the **multiplication table** by filling in the missing numbers.



x	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0												
1		1											
2			4										
3										27			36
4				12									
5								35				55	
6							36		48				
7	0				28								
8						40							
9													
10													
11													
12													144



Answer Sheets

Double Dose! Two Digit Multiplication for 3rd Grade

Step by Step: Two-Digit Multiplication
Two-Digit Multiplication
2-Minute Multiplication
Two-Digit by One-Digit Multiplication
Multiplication Regrouping
Multiplication with Regrouping
Lattice Method For Multiplication
Multiplication Table 1-12

Two-Digit Multiplication

Multiplying a 2-digit number by a 1-digit number may seem difficult at first. However, if you arrange the numbers in columns, you will find how easy these problems really are.

EXAMPLE: $20 \times 2 = ?$



STEP 1

$$\begin{array}{r|l} 10 & 1 \\ \hline & 20 \\ \times & 2 \\ \hline & \end{array}$$

Arrange factors
in columns.

STEP 2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 20 \\ \times & 2 \\ \hline & 0 \end{array}$$

Multiply the 1s
column first.

STEP 3

$$\begin{array}{r|l} 10 & 1 \\ \hline & 20 \\ \times & 2 \\ \hline & 40 \end{array}$$

Multiply the
10s column.

For each problem below, rewrite each problem so that the numbers are in columns. Proceed to multiply the problem and solve. Be sure to show all of your work.

1. 43×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 43 \\ \times & 2 \\ \hline & 86 \end{array}$$

2. 32×3

$$\begin{array}{r|l} 10 & 1 \\ \hline & 32 \\ \times & 3 \\ \hline & 96 \end{array}$$

3. 11×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & 11 \\ \times & 4 \\ \hline & 44 \end{array}$$

4. 50×1

$$\begin{array}{r|l} 10 & 1 \\ \hline & 50 \\ \times & 1 \\ \hline & 50 \end{array}$$

5. 14×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 14 \\ \times & 2 \\ \hline & 28 \end{array}$$

6. 62×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & 62 \\ \times & 4 \\ \hline & 248 \end{array}$$

7. 61×7

$$\begin{array}{r|l} 10 & 1 \\ \hline & 61 \\ \times & 7 \\ \hline & 427 \end{array}$$

8. 13×2

$$\begin{array}{r|l} 10 & 1 \\ \hline & 13 \\ \times & 2 \\ \hline & 26 \end{array}$$

9. 15×4

$$\begin{array}{r|l} 10 & 1 \\ \hline & 15 \\ \times & 4 \\ \hline & 60 \end{array}$$

Two-Digit Multiplication Practice



For each problem below, multiply and regroup if necessary. Be sure to show all of your work.

$$\begin{array}{r} 63 \\ 1) \times 2 \\ \hline 126 \end{array}$$

$$\begin{array}{r} 18 \\ 5) \times 4 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 11 \\ 9) \times 7 \\ \hline 77 \end{array}$$

$$\begin{array}{r} 12 \\ 13) \times 1 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 13 \\ 17) \times 3 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 14 \\ 2) \times 5 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 10 \\ 6) \times 6 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 15 \\ 10) \times 4 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 47 \\ 14) \times 3 \\ \hline 141 \end{array}$$

$$\begin{array}{r} 23 \\ 18) \times 4 \\ \hline 92 \end{array}$$

$$\begin{array}{r} 24 \\ 3) \times 3 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 30 \\ 7) \times 2 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 60 \\ 11) \times 8 \\ \hline 480 \end{array}$$

$$\begin{array}{r} 77 \\ 15) \times 3 \\ \hline 231 \end{array}$$

$$\begin{array}{r} 42 \\ 19) \times 5 \\ \hline 210 \end{array}$$

$$\begin{array}{r} 12 \\ 4) \times 3 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 17 \\ 8) \times 4 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 86 \\ 12) \times 2 \\ \hline 172 \end{array}$$

$$\begin{array}{r} 29 \\ 16) \times 8 \\ \hline 232 \end{array}$$

$$\begin{array}{r} 34 \\ 20) \times 3 \\ \hline 102 \end{array}$$



Name _____

Date _____

Answer Key

Two-Minute Math

How many problems can you solve in two minutes?

$$\begin{array}{r} 4 \\ \times 4 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 12 \\ \times 2 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 5 \\ \times 3 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 11 \\ \times 5 \\ \hline 55 \end{array}$$

$$\begin{array}{r} 10 \\ \times 5 \\ \hline 50 \end{array}$$

$$\begin{array}{r} 4 \\ \times 8 \\ \hline 32 \end{array}$$

$$\begin{array}{r} 11 \\ \times 2 \\ \hline 22 \end{array}$$

$$\begin{array}{r} 0 \\ \times 9 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 11 \\ \times 6 \\ \hline 66 \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline 25 \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 10 \\ \times 7 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 10 \\ \times 1 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 3 \\ \times 1 \\ \hline 3 \end{array}$$

$$\begin{array}{r} 9 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 10 \\ \times 4 \\ \hline 40 \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline 81 \end{array}$$

$$\begin{array}{r} 12 \\ \times 4 \\ \hline 48 \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 11 \\ \times 4 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 2 \\ \times 7 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 10 \\ \times 6 \\ \hline 60 \end{array}$$

$$\begin{array}{r} 4 \\ \times 3 \\ \hline 12 \end{array}$$

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

$$\begin{array}{r} 9 \\ \times 5 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline 24 \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline 49 \end{array}$$

$$\begin{array}{r} 8 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

$$\begin{array}{r} 0 \\ \times 5 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 12 \\ \times 1 \\ \hline 12 \end{array}$$

$$\begin{array}{r} 11 \\ \times 3 \\ \hline 33 \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline 30 \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline 35 \end{array}$$

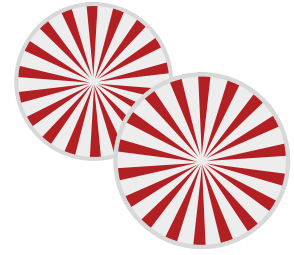
$$\begin{array}{r} 10 \\ \times 8 \\ \hline 80 \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline 64 \end{array}$$

$$\begin{array}{r} 9 \\ \times 2 \\ \hline 18 \end{array}$$

Minty Multiplication



Find the product

$$\begin{array}{r} 14 \\ \times 2 \\ \hline 28 \end{array}$$

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 69 \end{array}$$

$$\begin{array}{r} 41 \\ \times 5 \\ \hline 205 \end{array}$$

$$\begin{array}{r} 52 \\ \times 4 \\ \hline 208 \end{array}$$

$$\begin{array}{r} 42 \\ \times 3 \\ \hline 126 \end{array}$$

$$\begin{array}{r} 80 \\ \times 6 \\ \hline 480 \end{array}$$

$$\begin{array}{r} 97 \\ \times 1 \\ \hline 97 \end{array}$$

$$\begin{array}{r} 51 \\ \times 8 \\ \hline 408 \end{array}$$


$$\begin{array}{r} 28 \\ \times 0 \\ \hline 0 \end{array}$$

$$\begin{array}{r} 62 \\ \times 4 \\ \hline 248 \end{array}$$

$$\begin{array}{r} 70 \\ \times 9 \\ \hline 630 \end{array}$$

$$\begin{array}{r} 35 \\ \times 1 \\ \hline 35 \end{array}$$

Multiplication: Regrouping


$$\begin{array}{r} 1 \\ \times 12 \\ \hline 5 \\ \hline 0 \end{array}$$

First, multiply the 5 by the 2 to get 10. The number 0 is left below and the 1 is regrouped in the tens place.

$$\begin{array}{r} 1 \\ \times 12 \\ \hline 5 \\ \hline 0 \end{array}$$

Next, multiply the 5 by the 1 in the tens place to get 5. Add the 1 you regrouped to get 6.

$$\begin{array}{r} 1 \\ \times 12 \\ \hline 5 \\ \hline 60 \end{array}$$

Finally, since the number is under 10 and does not need to be regrouped, write the 6 below in the tens place.

Multiply the problems below.

$$\begin{array}{r} 13 \\ \times 5 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 14 \\ \times 3 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 12 \\ \times 8 \\ \hline 96 \end{array}$$

$$\begin{array}{r} 15 \\ \times 3 \\ \hline 45 \end{array}$$

$$\begin{array}{r} 35 \\ \times 2 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 18 \\ \times 2 \\ \hline 36 \end{array}$$

$$\begin{array}{r} 28 \\ \times 2 \\ \hline 56 \end{array}$$

$$\begin{array}{r} 29 \\ \times 3 \\ \hline 87 \end{array}$$

$$\begin{array}{r} 15 \\ \times 5 \\ \hline 75 \end{array}$$

$$\begin{array}{r} 18 \\ \times 4 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 13 \\ \times 7 \\ \hline 91 \end{array}$$

$$\begin{array}{r} 19 \\ \times 3 \\ \hline 57 \end{array}$$

$$\begin{array}{r} 12 \\ \times 6 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 24 \\ \times 3 \\ \hline 72 \end{array}$$

$$\begin{array}{r} 16 \\ \times 5 \\ \hline 80 \end{array}$$

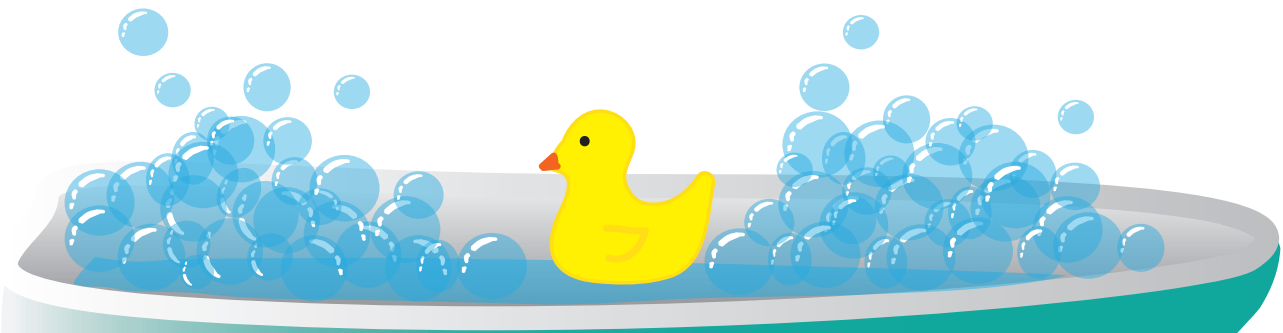
$$\begin{array}{r} 14 \\ \times 5 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 17 \\ \times 2 \\ \hline 34 \end{array}$$

$$\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 16 \\ \times 8 \\ \hline 128 \end{array}$$

$$\begin{array}{r} 18 \\ \times 3 \\ \hline 54 \end{array}$$



Multiplication: Regrouping

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

First, multiply the 5 by the 5 to get 25. The number 5 is left below and the 2 is regrouped above in the tens place.

$$\begin{array}{r} \overset{22}{5}5 \\ \times \quad 5 \\ \hline 75 \end{array}$$

Next, multiply the 5 ones by the 5 in the tens place to get 25. Add the 2 you regrouped to get 27. The 7 is left below in the tens place and the 2 is regrouped above in the hundreds place.

$$\begin{array}{r} \overset{22}{5}5 \\ \times \quad 5 \\ \hline 275 \end{array}$$

Finally, add the number 2 in the hundreds place above to the hundreds place below.

Multiply the problems below.

$$\begin{array}{r} 52 \\ \times \quad 5 \\ \hline 260 \end{array}$$

$$\begin{array}{r} 45 \\ \times \quad 7 \\ \hline 315 \end{array}$$

$$\begin{array}{r} 50 \\ \times \quad 8 \\ \hline 400 \end{array}$$

$$\begin{array}{r} 65 \\ \times \quad 3 \\ \hline 195 \end{array}$$

$$\begin{array}{r} 65 \\ \times \quad 4 \\ \hline 260 \end{array}$$

$$\begin{array}{r} 88 \\ \times \quad 2 \\ \hline 176 \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 6 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 41 \\ \times \quad 5 \\ \hline 205 \end{array}$$

$$\begin{array}{r} 95 \\ \times \quad 2 \\ \hline 190 \end{array}$$

$$\begin{array}{r} 15 \\ \times \quad 8 \\ \hline 120 \end{array}$$

$$\begin{array}{r} 62 \\ \times \quad 2 \\ \hline 124 \end{array}$$

$$\begin{array}{r} 33 \\ \times \quad 5 \\ \hline 165 \end{array}$$

$$\begin{array}{r} 20 \\ \times \quad 8 \\ \hline 160 \end{array}$$

$$\begin{array}{r} 44 \\ \times \quad 6 \\ \hline 264 \end{array}$$

$$\begin{array}{r} 36 \\ \times \quad 4 \\ \hline 144 \end{array}$$

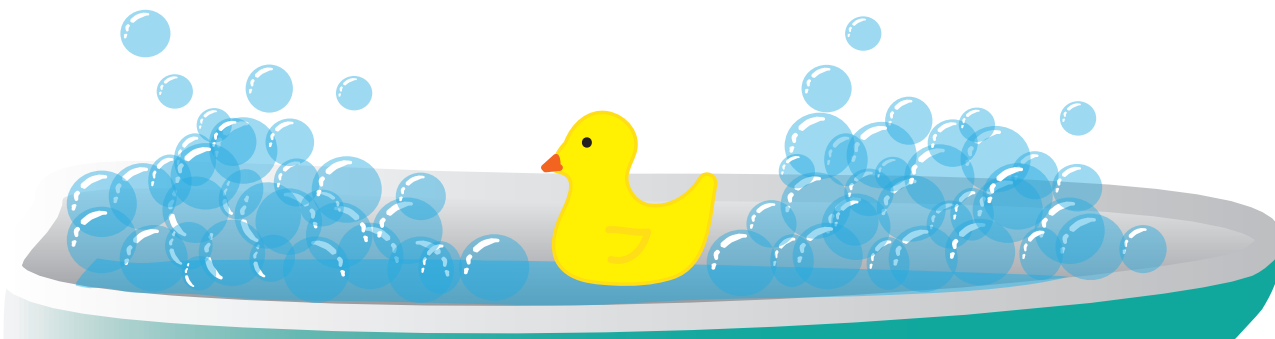
$$\begin{array}{r} 70 \\ \times \quad 5 \\ \hline 350 \end{array}$$

$$\begin{array}{r} 17 \\ \times \quad 7 \\ \hline 119 \end{array}$$

$$\begin{array}{r} 90 \\ \times \quad 2 \\ \hline 180 \end{array}$$

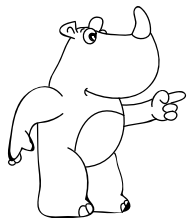
$$\begin{array}{r} 12 \\ \times \quad 9 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 84 \\ \times \quad 3 \\ \hline 252 \end{array}$$



Multiplication with Regrouping

Multiplication with regrouping is the easiest way to multiply by large numbers.
Follow the steps below to learn how.



- First, multiply the numbers in the ones place.
- Write your result in the ones place and carry any number in the tens place forward.
- Next, multiply the number in the tens place by the bottom number in the ones place.
- Add the extra number you carried over to your result and write this number in the tens place.

Example:

	$\begin{array}{r} 17 \\ \times 3 \\ \hline 1 \end{array}$		$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline 1 \end{array}$		$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline 1 \end{array}$		$\begin{array}{r} 2 \\ 17 \\ \times 3 \\ \hline 51 \end{array}$
Multiply the ones place.		Carry the 2 to the tens place.	Multiply the tens place by the bottom ones place.		Add the extra 2 and write your result.		
$7 \times 3 = 21$			$1 \times 3 = 3$		$3 + 2 = 5$		

For each problem below, follow the steps used in the example to find your solution.
Be sure to show all of your work.

1) $\begin{array}{r} 24 \\ \times 3 \\ \hline 72 \end{array}$	5) $\begin{array}{r} 13 \\ \times 4 \\ \hline 52 \end{array}$	9) $\begin{array}{r} 12 \\ \times 5 \\ \hline 60 \end{array}$	13) $\begin{array}{r} 19 \\ \times 3 \\ \hline 57 \end{array}$	17) $\begin{array}{r} 14 \\ \times 4 \\ \hline 56 \end{array}$	21) $\begin{array}{r} 15 \\ \times 6 \\ \hline 90 \end{array}$
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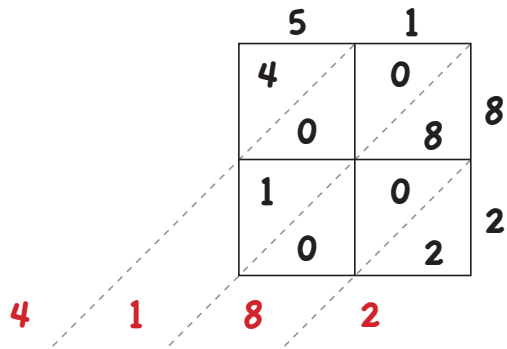
2) $\begin{array}{r} 16 \\ \times 4 \\ \hline 64 \end{array}$	6) $\begin{array}{r} 38 \\ \times 2 \\ \hline 76 \end{array}$	10) $\begin{array}{r} 29 \\ \times 3 \\ \hline 87 \end{array}$	14) $\begin{array}{r} 24 \\ \times 4 \\ \hline 96 \end{array}$	18) $\begin{array}{r} 28 \\ \times 4 \\ \hline 112 \end{array}$	22) $\begin{array}{r} 17 \\ \times 3 \\ \hline 51 \end{array}$
---------------------------------------------------------------	---------------------------------------------------------------	----------------------------------------------------------------	----------------------------------------------------------------	-----------------------------------------------------------------	----------------------------------------------------------------

3) $\begin{array}{r} 16 \\ \times 2 \\ \hline 32 \end{array}$	7) $\begin{array}{r} 35 \\ \times 2 \\ \hline 70 \end{array}$	11) $\begin{array}{r} 18 \\ \times 4 \\ \hline 72 \end{array}$	15) $\begin{array}{r} 27 \\ \times 2 \\ \hline 54 \end{array}$	19) $\begin{array}{r} 13 \\ \times 7 \\ \hline 91 \end{array}$	23) $\begin{array}{r} 12 \\ \times 7 \\ \hline 84 \end{array}$
---------------------------------------------------------------	---------------------------------------------------------------	----------------------------------------------------------------	----------------------------------------------------------------	----------------------------------------------------------------	----------------------------------------------------------------

4) $\begin{array}{r} 25 \\ \times 2 \\ \hline 50 \end{array}$	8) $\begin{array}{r} 17 \\ \times 4 \\ \hline 68 \end{array}$	12) $\begin{array}{r} 36 \\ \times 2 \\ \hline 72 \end{array}$	16) $\begin{array}{r} 18 \\ \times 3 \\ \hline 54 \end{array}$	20) $\begin{array}{r} 24 \\ \times 3 \\ \hline 72 \end{array}$	24) $\begin{array}{r} 72 \\ \times 9 \\ \hline 648 \end{array}$
---------------------------------------------------------------	---------------------------------------------------------------	----------------------------------------------------------------	----------------------------------------------------------------	----------------------------------------------------------------	-----------------------------------------------------------------

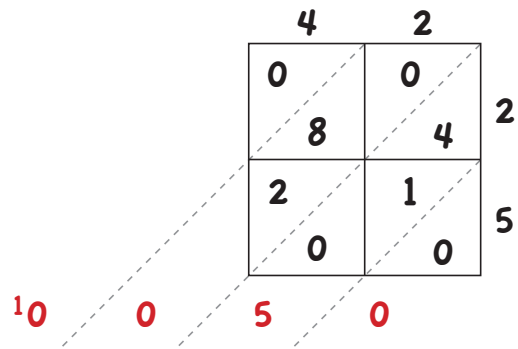
Lattice Multiplication - Double Digit

$$51 \times 82$$



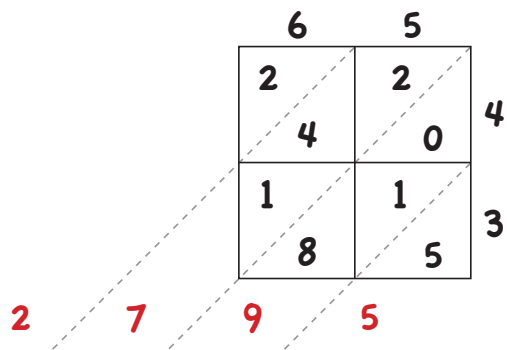
Answer 4182

$$42 \times 25$$



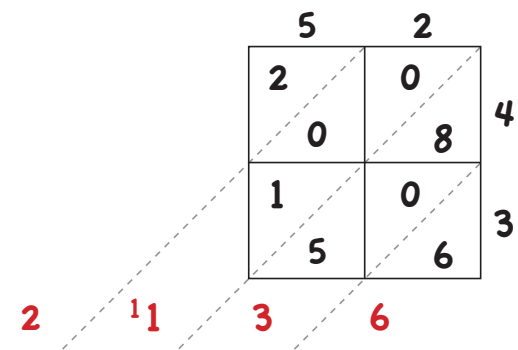
Answer 1050

$$65 \times 43$$



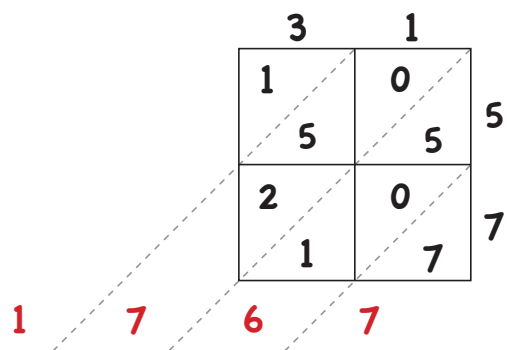
Answer 2795

$$52 \times 43$$



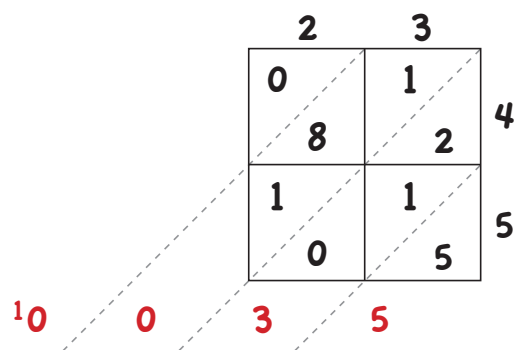
Answer 2236

$$31 \times 57$$



Answer 1767

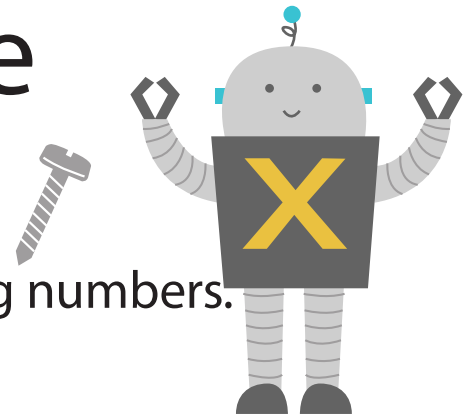
$$23 \times 45$$



Answer 1035

Multiplication Table

Robert the Multiplication Robot has lost a few of his screws! Help him complete the multiplication table by filling in the missing numbers.



x	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

