

2-DIGIT MULTIPLICATION



2-Digit Multiplication

Record the answers from the practice problems in the LINKivity®.

1. Ans. (circle one) True or False
Show Your Work:

2. Ans. (circle one) True or False
Show Your Work:

3. Ans.
Draw the Model:

4. $7 \times 9 =$
 $7 \times 10 =$
 $50 \times 9 =$
 $50 \times 10 =$
Ans.

5. Ans.
Show Your Work:

6. Ans.
Draw the Model:

7. Ans.
Show Your Work:

8. $9 \times 3 =$
 $9 \times 60 =$
 $80 \times 3 =$
 $80 \times 60 =$
Ans.

2-DIGIT MULTIPLICATION

WATCH

MYSTER PICTURE

Click a category above.

Click this icon anywhere you see it to always return to this homepage.

AREA MODEL
PARTIAL PRODUCT
TRADITIONAL ALGORITHM


Interactive Learning Guides

WAIT!

Thank you for considering this LINKtivity for your classroom, but before you make a decision - you should know that you can get **access to this LINKtivity + PLUS our entire library** for about the same price as a single LINKtivity!

The results are in: **Teachers LOVE LINKtivities...** and want more! So, we've made it SUPER easy and cost effective for you to access any and ALL of our LINKtivities inside our LINKtivity Learning membership option! Instead of purchasing just ONE LINKtivity - why not get access to ALL of them... for about the SAME PRICE!



INSIDE THE MEMBERSHIP YOU'LL HAVE UNLIMITED ACCESS TO:

- ✓ The **entire growing LINKtivity® library** inside the Membership (LINKtivities for all content areas)
- ✓ ALL **future LINKtivities** to be added to the membership (new releases each month!)
- ✓ **Teacher guides** to help you set up each LINKtivity® successfully in your classroom
- ✓ **Student resources** that go along with each LINKtivity (printable OR digital)
- ✓ **Kid-friendly rubrics** and **answer keys** for each LINKtivity®



JOIN NOW





Inside the 2-Digit Multiplication LINKtivity, students will learn 3 different multiplication strategies for solving 2-digit multiplication problems. These strategies include using the area model, partial product, and traditional algorithm strategies. Students will first explore a video modeling each strategy before applying each multiplication strategy through guided practice.



More Sample Slides

MULTIPLICATION:
putting together equal groups

Credit: LINKtivity Learning

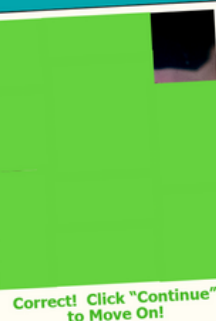
1 Answer the question below correctly to reveal a piece of the mystery picture.

Find the product.

$$\begin{array}{r} 34 \\ \times 72 \\ \hline \end{array}$$

- A** 24,480
- B** 2,448 ✓
- C** 2,168

REVEAL THE MYSTERY PICTURE



There are a few strategies that we can use to help us multiply 2 digit numbers. Click each strategy below to review and pick your favorite!

AREA MODEL

TRADITIONAL ALGORITHM

$$\begin{array}{r} 16 \\ \times 24 \\ \hline \end{array}$$

1 Click on each step to work through the traditional algorithm.

2

3

TRADITIONAL ALGORITHM

Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.

2 Answer the question below correctly to reveal a piece of the mystery picture.

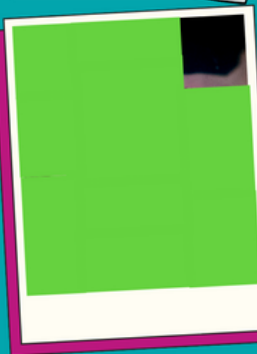
TRUE OR FALSE?

$$\begin{array}{r} 16 \\ \times 24 \\ \hline 3844 \end{array}$$



Click on the thumbs up picture if the statement above is true. Click on the thumbs down picture if the statement above is false.

REVEAL THE MYSTERY PICTURE



There are a few strategies that we can use to help us multiply 2 digit numbers. Click each strategy below to review and pick your favorite!

AREA MODEL

PARTIAL PRODUCT

TRADITIONAL ALGORITHM

Step 1: Multiply the bottom ones by the top ones

$$\begin{array}{r} 34 \\ \times 72 \\ \hline 68 \end{array}$$

Step 2: Multiply the bottom ones by the top tens

$$2 \times 4 = 8$$

$$2 \times 30 = 60$$

Step 3: Multiply the bottom tens by the top ones

$$70 \times 4 = 280$$

Step 4: Multiply the bottom tens by the top tens

$$70 \times 30 = 2100$$

Now, Can you add up each partial product to get the total product?

$$8 + 60 + 280 + 2100$$

Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.

4 Answer the question below correctly to reveal a piece of the mystery picture.

Multiply using partial products.

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

- 7 x 9
- 7 x 10
- 50 x 9
- 50 x 10

- 70
 - 1,083
 - 63
 - 500
 - 450
- CLICK HERE TO CHECK ANSWERS

REVEAL THE MYSTERY PICTURE



Remember: The partial product is a method used to help with 2-digit multiplication. With this method we break down numbers into smaller parts, multiply these parts separately, and then add the results together to find the final answer.

PARTIAL PRODUCT

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

Let's break down this problem into smaller multiplication problems:

- 19 x 7 or 7 x 9
- 19 x 50 or 7 x 10
- 19 x 57 or 50 x 9
- 19 x 57 or 50 x 10

Drag each number into the correct box.

- 500
- 70
- 63
- 540
- 1,083

Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.

10 Answer the question below correctly to reveal a piece of the mystery picture.

TRUE OR FALSE?

Natalia tried to evaluate 65×32 using partial products, but she's not sure she got the correct answer. Check her work.

$$\begin{array}{r} 65 \\ \times 32 \\ \hline 10 \\ 120 \\ 150 \\ +1800 \\ \hline 2080 \end{array}$$


Click on the thumbs up picture if the statement above is true. Click on the thumbs down picture if the statement above is false.

REVEAL THE MYSTERY PICTURE



16 x 27

AREA MODEL

an area model helps us to better visualize our multiplication problem in order to find the answer

Credit: LINKtivity





This LINKtivity is provided with

AUDIO SUPPORT




Perfect for English language learners or students who could use a little extra support!


 There are a few strategies that we can use to help us multiply 2 digit numbers. Click each strategy below to review and pick your favorite!

 **AREA MODEL**


The following area model shows 38×67 .
Note: The model is not drawn to scale.

 **Step 1:** Set up the model.



	30	8
60	$30 \times 60 =$	$8 \times 60 =$
7	$30 \times 7 =$	$8 \times 7 =$


 **Step 2:** Find the area of each part.
Hint: Multiply each row by each column.


	30	8
60	1800	480
7	210	56

 **Step 3:** Add the areas to find the total.

1800
480
210
+ 56

  Can you add up each section of the area model to get the total product?

 **TRADITIONAL ALGORITHM**

 Use this slide to help you work through the problem. When you think you've got it, you can go back and choose the correct answer.



Printable & Digital Student Recording Sheet

Printable Recording Sheet for LINKtivity

2-Digit Multiplication

Record the answers from the practice problems in the LINKtivity®.

1 Ans.
Show Your Work:

2 (circle one) True or False
Show Your Work:

3 Ans.
Draw the Model

4 $7 \times 9 =$
 $7 \times 10 =$
 $50 \times 9 =$
 $50 \times 10 =$
 Ans.

5 Ans.
Show Your Work:

6 Ans.
Draw the Model

7 Ans.
Show Your Work:

8 $9 \times 3 =$
 $9 \times 60 =$
 $80 \times 3 =$
 $80 \times 60 =$
 Ans.

9 Ans.
Show Your Work:

10 (circle one) True or False
Show Your Work:

✎

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Show Your Work:

10 (circle one) True or False
Show Your Work:

✎

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Digital Recording Sheet for LINKtivity in Google Slides

Answer Key

2-Digit Multiplication

Record the answers from the practice problems in the LINKtivity®.

1 Ans. **B: 2,448**
Show Your Work:

2 (circle one) True or **False**
Show Your Work:

3 Ans. **C**
Draw the Model

40	8
50	50
6	6

4 $7 \times 9 =$ **63**
 $7 \times 10 =$ **70**
 $50 \times 9 =$ **450**
 $50 \times 10 =$ **500**
 Ans. **1,083**

5 Ans. **B: 2,546**
Show Your Work:

6 Ans. **A**
Draw the Model

20	7
60	1200
4	80

7 Ans. **C: 1,058**
Show Your Work:

8 $9 \times 3 =$ **27**
 $9 \times 60 =$ **540**
 $80 \times 3 =$ **240**
 $80 \times 60 =$ **4800**
 Ans. **5,607**

9 Ans. **C: 8,004**
Show Your Work:

10 (circle one) True or **False**
Show Your Work:

✎

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ANSWER KEY

