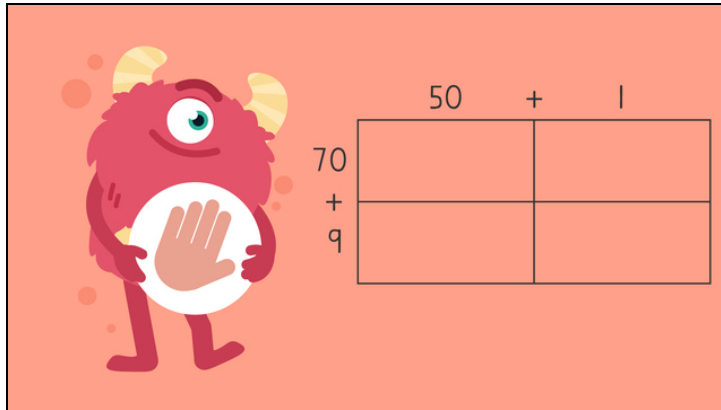


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

Multiplying Two-Digit Numbers by Two-Digit Numbers Using an Area Model—Let's Practice



- 1 Solve 45×21 .
- 2 Which option is the correct expanded form of 97?
- 3 Solve 24×12 .
- 4 Solve 86×54 .
- 5 79×67
- 6 98×86
- + with many hints, answer keys, and solution approaches for all tasks



The complete package, including all tasks, hints, solutions, and solution approaches, is available to all subscribers of [sofatutor.com](https://www.sofatutor.com)

Solve 45×21 .

Select the correct answer from the choices.

	40	+	5
20	$40 \times 20 = ?$		$5 \times 20 = ?$
+			
1	$40 \times 1 = ?$		$5 \times 1 = ?$

Help Razzi solve the problem 45×21 !

☐ **A**

☐ **B**

☐ **C**

☐ **D**

Our hints for the tasks

1
from 6

Solve 45×21 .

1. Hint

Remember the steps to solve the problem!

- 1) Set up the area model by labeling the top and left side with each factor written in expanded form.
 - 2) Multiply each square in the area model.
 - 3) Add the products together!
-

2. Hint

	40	+	5
20	$40 \times 20 = 800$		$5 \times 20 = 100$
+			
1	$40 \times 1 = 40$		$5 \times 1 = 5$

Your area model should look like in the picture!

Solutions and solution approaches for the tasks

1
from 6

Solve 45×21 .

Answer key: D

	40	+	5
20	$40 \times 20 = 800$		$5 \times 20 = 100$
+			
1	$40 \times 1 = 40$		$5 \times 1 = 5$

The correct answer is **945**! In this image, we see all of the multiplication problems done correctly. Then once we add up all the answers ($800 + 100 + 40 + 5$), we get the correct answer!