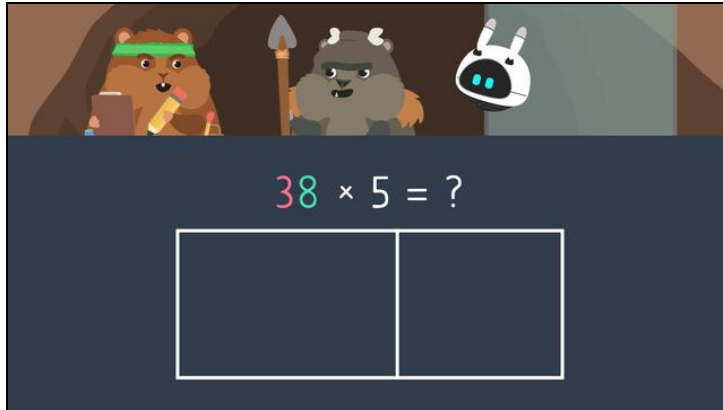


Worksheets to print out from [sofatutor.com](https://www.sofatutor.com)

Area Model Multiplication up to Three-Digits



- 1 Can you solve the multiplication problem?
- 2 Can you spot the mistakes in the area model?
- 3 Can you find the correct answers to the multiplication problems?
- 4 Can you solve the multiplication problems?
- + 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)

Can you solve the multiplication problem?

Select the correct answer.

	30	9
4	$4 \times 30 =$	$4 \times 9 =$

Mr. Squeaks has found some more clocks. He has **4** boxes with **39** clocks in each.

How many clocks does he have altogether?

Use the grid to help you to solve the problem.

☐ **A**☐ **B**☐ **C**☐ **D**

Our hints for the tasks

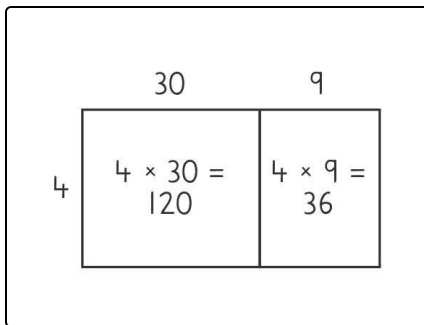
1
from 4

Can you solve the multiplication problem?

1. Hint

Have you multiplied each side of the area model?

2. Hint



After you have multiplied each side, your area model should look like this.

3. Hint

Have you added the partial products together?

4. Hint

Don't forget any zeros!

Solutions and solution approaches for the tasks

1
from 4

Can you solve the multiplication problem?

Answer key: D

30	9				
<div style="display: flex; align-items: center;"><div style="margin-right: 10px;">4</div><table border="1" style="border-collapse: collapse;"><tr><td style="padding: 5px;">$4 \times 30 =$</td><td style="padding: 5px;">$4 \times 9 =$</td></tr><tr><td style="padding: 5px;">120</td><td style="padding: 5px;">36</td></tr></table></div>	$4 \times 30 =$	$4 \times 9 =$	120	36	
$4 \times 30 =$	$4 \times 9 =$				
120	36				
$120 + 36 = 156$					
$4 \times 39 = 156$					

First of all, solve the equation on the left:

- $4 \times 30 = 120$

Then solve the equation on the right:

- $4 \times 9 = 36$

120 and **36** are the partial products, so we then need to add them together.

- $120 + 36 = 156$

Therefore, $4 \times 39 = 156$