

# Multiply Decimals – Area Model

5.6 × 5.1 = 28.56

28.0  
+ 0.56  
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28.56

Check that your answer is reasonable.

## Description

In this activity students have to multiply decimals using an area model to assist them.

## Teaching Hints

Show students how they need to partition each decimal and multiply each part and then add. A solid grasp of place value is necessary for this activity.

## Activities

Use the area model to multiply the decimal numbers.

1.2 × 3.9 = 4.68 ✓

Easier Example

Use the area model to multiply the decimal numbers.

3.2 × 3.4 = 10.88 ✓

Medium Example

Use the area model to multiply the decimal numbers.

0.1 × 9.25 = 0.925 ✓

Harder Example