

## Assessment : Section C Checkpoint

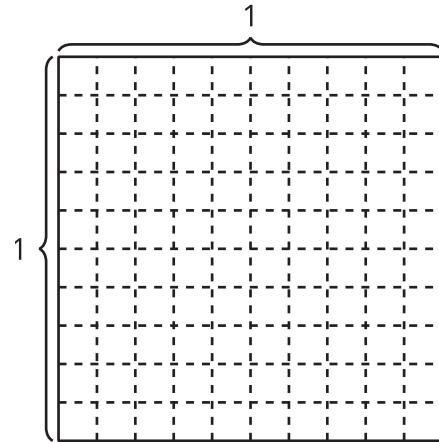
### Problem 1

Goals Assessed

- Multiply decimals with products resulting in the hundredths using place value reasoning and properties of operations.

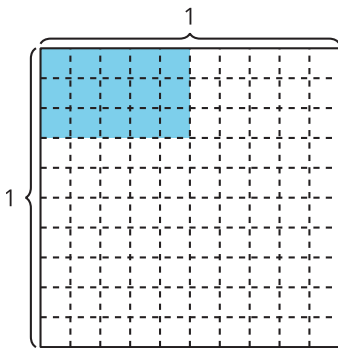
### Statement

Find the value of the expression  $0.3 \times 0.5$ . Explain or show your reasoning. Use the grid if it is helpful.



### Solution

0.15. Sample response: There are 15 shaded parts and each one is 0.01.



## Problem 2

### Goals Assessed

- Multiply decimals with products resulting in the hundredths using place value reasoning and properties of operations.

### Statement

To find the value of  $0.28 \times 37$  Andre calculates  $28 \times 37$  and then multiplies by 0.01. Explain or show why Andre's strategy works and use it to find the value of  $0.28 \times 37$ .

### Solution

10.36. Sample reasoning: Since 0.28 is 28 hundredths, I can multiply 28 and 37 and then multiply that by 0.01. Since  $28 \times 37 = 1,036$ ,  $0.28 \times 37$  is 10.36.

## Problem 3

### Goals Assessed

- Multiply decimals with products resulting in the hundredths using place value reasoning and properties of operations.

### Statement

Find the value of the expression  $2.1 \times 7.3$ . Explain or show your reasoning.

### Solution

15.33. Sample reasoning: I first found  $21 \times 73$  which is 1,533. Then I multiply that by 0.1 twice since  $2.1 = 21 \times 0.1$  and  $7.3 = 73 \times 0.1$ . That gives 15.33.