Name _____

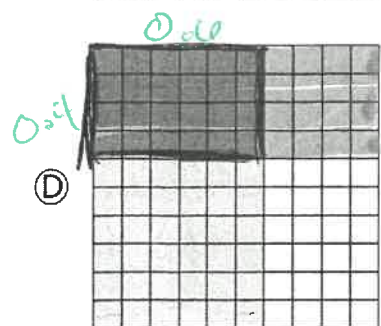**1** Maria wants to find 0.2×0.6

What model should Maria use to find the product? *(Hint- 0.2 of 0.6)*

0.2   0.4

(A)

0.6   0.4

(B)

0.2   0.6
    12

Ⓒ

0.8   0.6

0.1

(D)
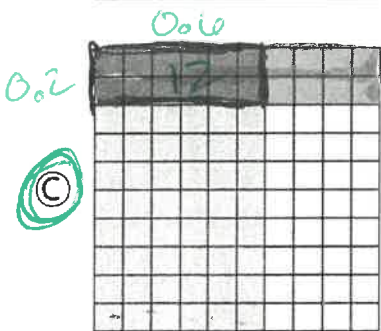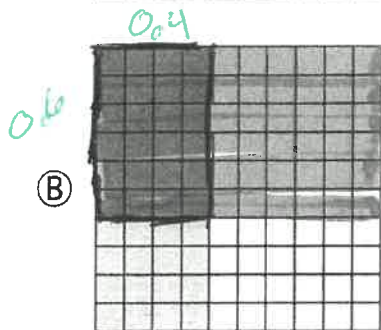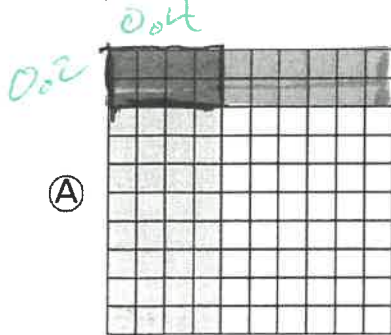
What is the product?

$0.2 \times 0.6 =$ ___0.12___

$2 \times 6 = 12$

2 During a track meet, Calvin drinks 0.6 liter of water. Melinda drinks 0.8 times as much water as Calvin during the track meet. How much water does Melinda drink during the track meet?

(Hint- 0.8 of 0.6)

0.8×0.6

___0.48___ liter(s)

$8 \times 6 = 0.48$

3 Place an X in the table to show if each sentence is **true or false.**

(Hint- Solve each one)

1.3
×2.1
1 3
2 6
2.73

	True	False
$1.3 \times 2.1 = 2.73$ ✓	✗	
$4.8 \times 0.4 = 12.2$ No		✗
$0.08 \times 0.7 = 5.6$ No		✗
$0.21 \times 1.8 = 0.378$ ✓	✓	

4.8
×0.4
192

0.21
×1.8
168
21
0.378

4 Bruce is getting materials for a chemistry experiment. He gets a container that has 0.25 liter of a liquid in it. Bruce needs to use 0.4 of this liquid for the experiment. How much liquid will Bruce use? *(Hint- Think 0.4 of 0.25)*

Ⓐ 100 liters

Ⓑ 1 liter

Ⓒ 0.1 liter

Ⓓ 0.001 liter

0.25
× 0.4
100
000
0.100

Name _____

5 A builder buys 16.1 acres of land to develop a new set of walking trails and baseball fields. (An acre is a measure of land.)

Part A

The builder will use 0.25 of the 16.1 acres for baseball fields. How many acres will be used for the baseball?

4.025 acres

(handwritten work)
16.1
$\times 0.25$
805
322
4.025

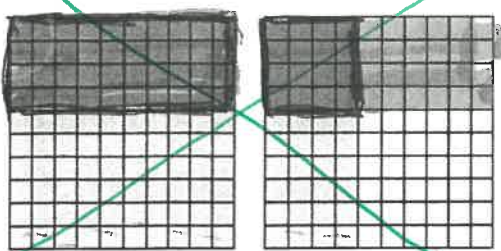**Part B**

The builder buys a second property which is 0.41 times as large as the 16.1 acres. How big is the second property?

6.601 acres

(handwritten work)
16.1
$\times .41$
161
644
6.601

6 Which equation is shown by the model?

Ⓐ 4 groups of 1.4 = 5.6

Ⓑ 0.4 of 1.14 = 0.056

Ⓒ 0.4 of 0.14 = 0.056

Ⓓ 0.04 of 0.14 = 0.0056

(handwritten in margin) 0.4 of 1.4 = 0.56   3 Bonus Points

7 Make the equation true (*properties*)

$0.3 \times 1.8 \times 0.2 = (0.3 \times \underline{0.2}) \times 1.8$

8 Mr. O'Brien is paid $9.30 per hour for the first 40 hours he works in a week. He is paid 1.5 times $9.30 for each hour after that. Last week, Mr. O'Brien worked 44 hours. How much did Mr. O'Brien earn last week?

(handwritten work) 4 steps
9.30
$\times 40$
372.00

9.30
$\times 1.5$
4650
930
13950

13.95
$\times 4$
55.80

372.00
$+55.80$
$\$427.80$

9 Gia multiplies 2.3 by 1.65   To what decimal place will her answer go?

Ⓐ thousandths   *(handwritten)* 3 places

Ⓑ hundredths

Ⓒ tenths

Ⓓ ones

10 To solve 0.2 × 0.06 Pilar multiplies whole numbers. She writes 2 × 6 = 12. Which answer shows where Pilar should place the decimal?

Ⓐ 12.00

Ⓑ 0.012

Ⓒ 0.12

Ⓓ 1.20

(handwritten) 0.2×0.06
$2 \times 6 = 12$
0.012