

# Warm Up Grade 7

1) Multiply

a)  $0.373 \times 4.81$

0.373 (3) } 5  
x 4.81 (2) } 5

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0373  
29840  
+ 148200  
1.78413

1.78413

b)  $1.99 \times 2.345$

2.345 (3) } 5  
x 1.99 (2) } 5

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2345  
21105  
+ 234500  
4.66555

4.66555

c)  $5.679 \times 2.1$

5.679 (3) } 4  
x 2.1 (1) } 5

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5679  
113580  
119259

119259

d)  $4.21 \times 7.518$

7.518 (3)  
x 4.21 (2)

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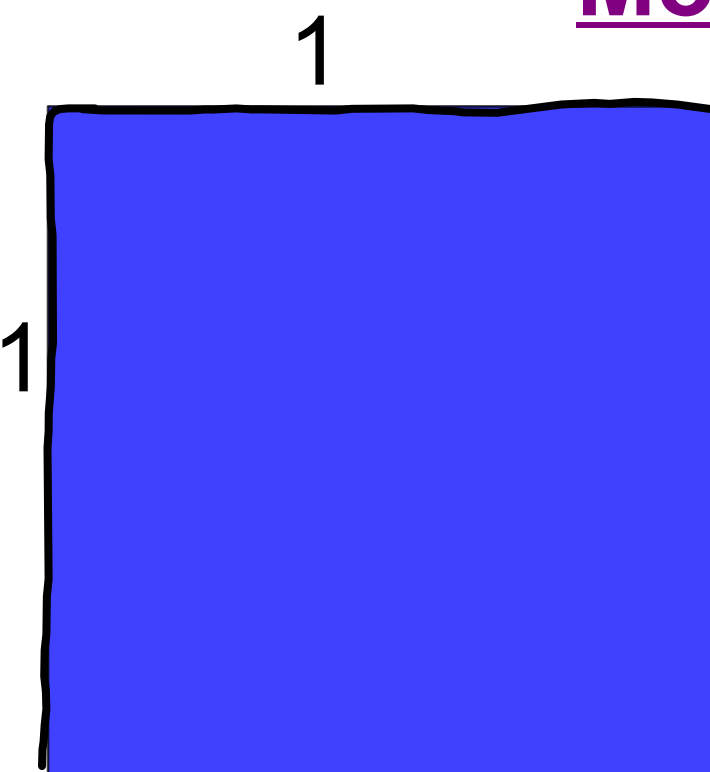
7518  
150360  
3007200  
31.65078

31.65078

How do we feel about the multiplying??

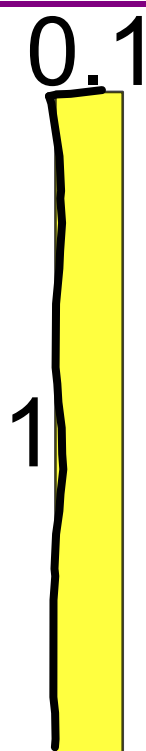
## Models for Decimal

with dimensions



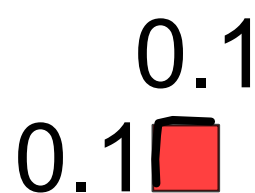
will represent  
ones

1



will represent  
tenths

0.1

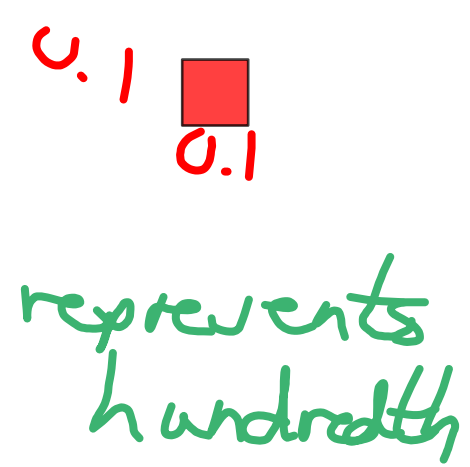
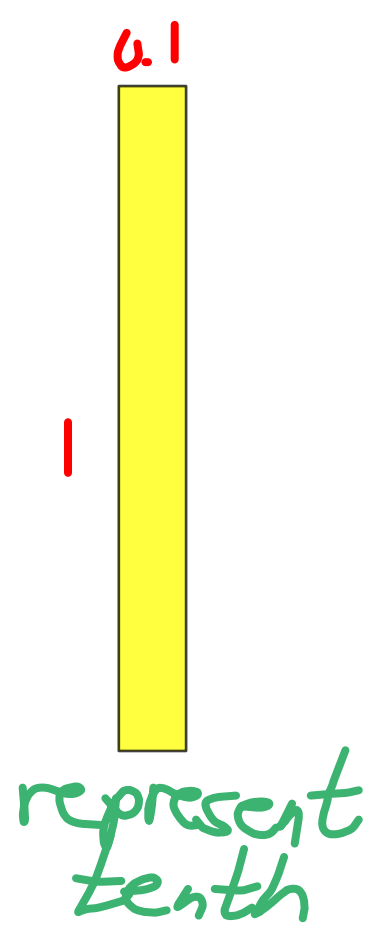
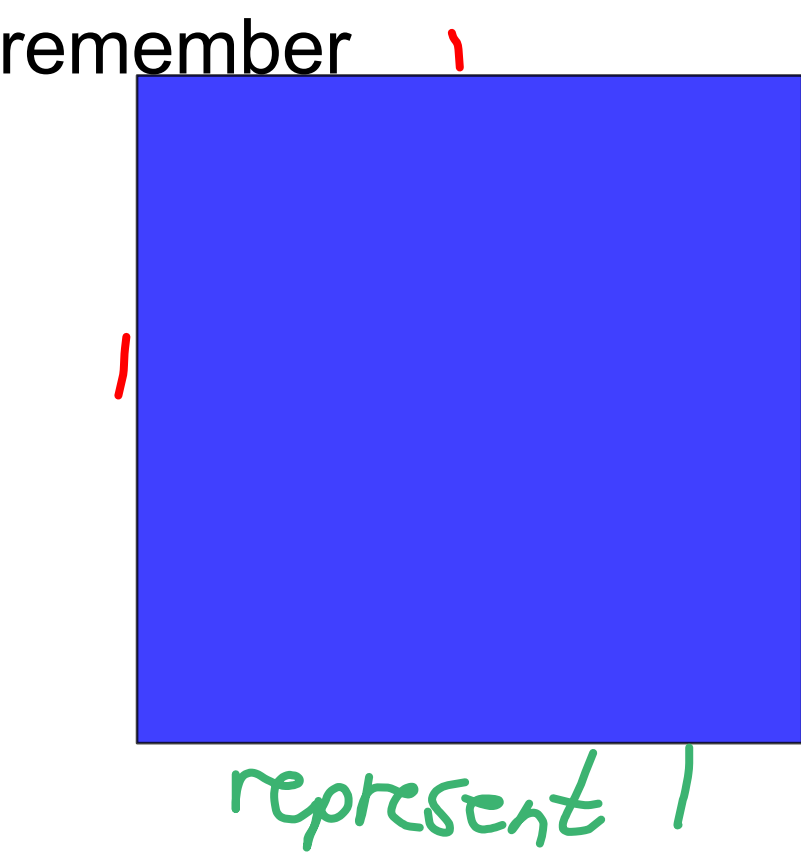
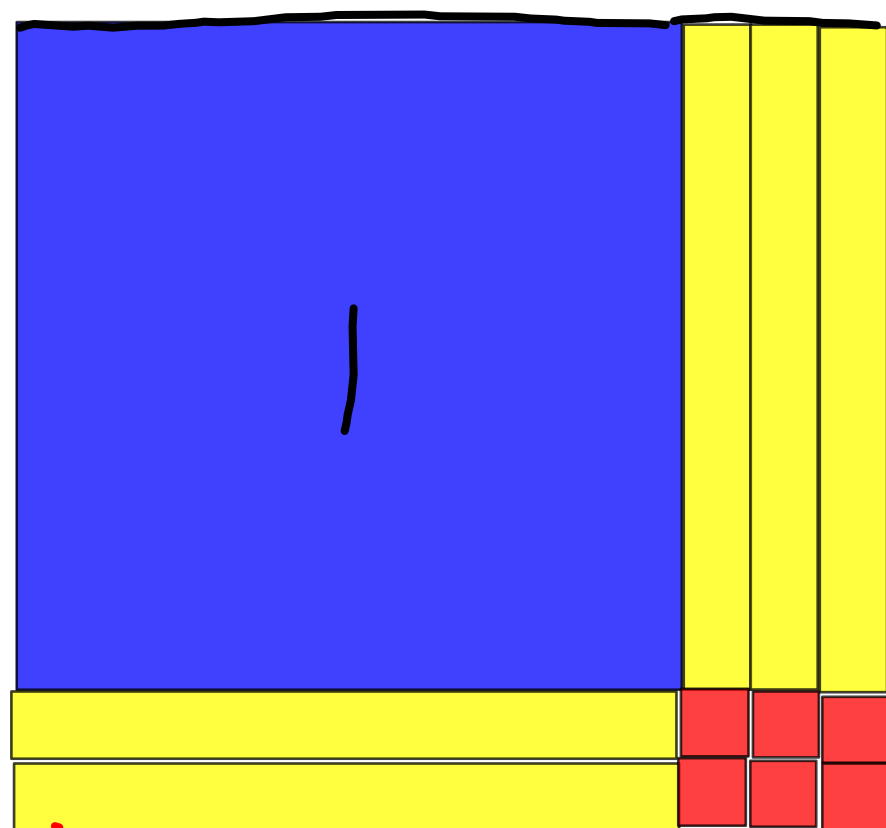


will represent  
hundredths

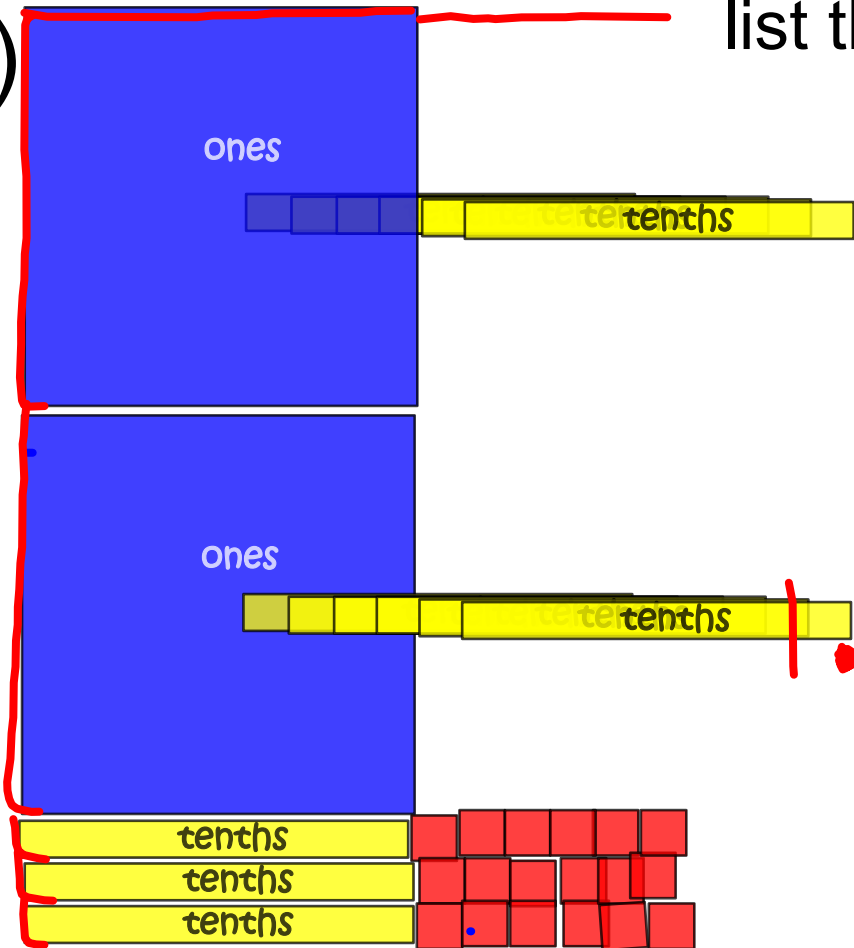
0.01

What multiplication sentence is being shown by the diagram? read top then side

$1.3 \times 1.2 = 1.56$



a) list the ones, tenths & hundredths



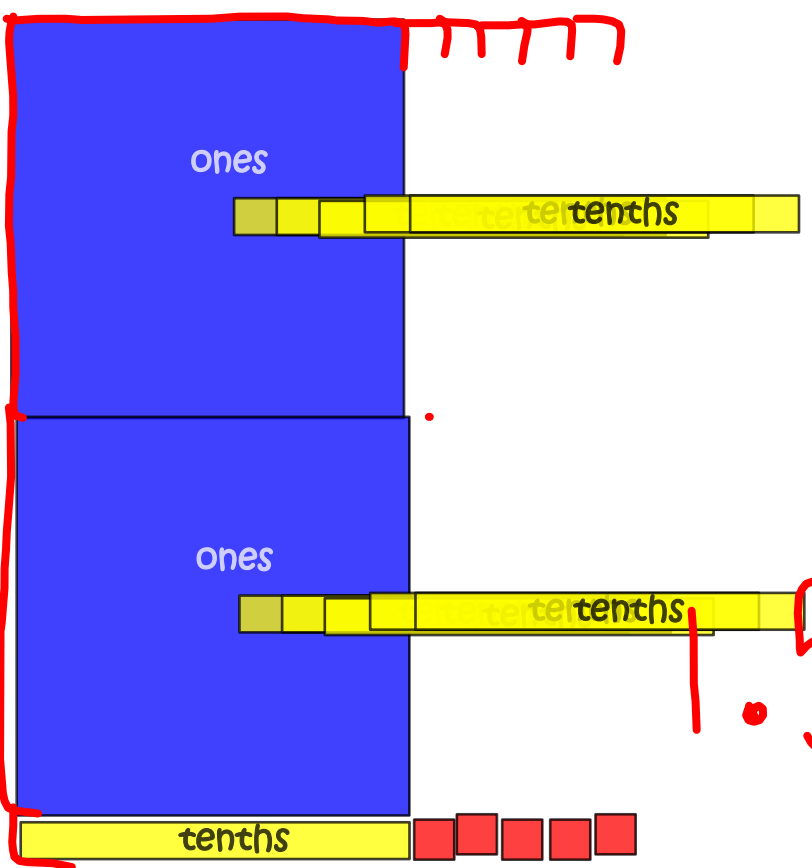
$$\begin{aligned} \underline{2} \text{ ones} &= 2 \\ \underline{15} \text{ tenths} &= 1.5 \\ \underline{18} \text{ hundredths} &= 0.18 \end{aligned}$$

$$\text{sum } \underline{3.68}$$

$$1.6 \times 2.3 = 3.68$$

show multiplication the regular way

b)

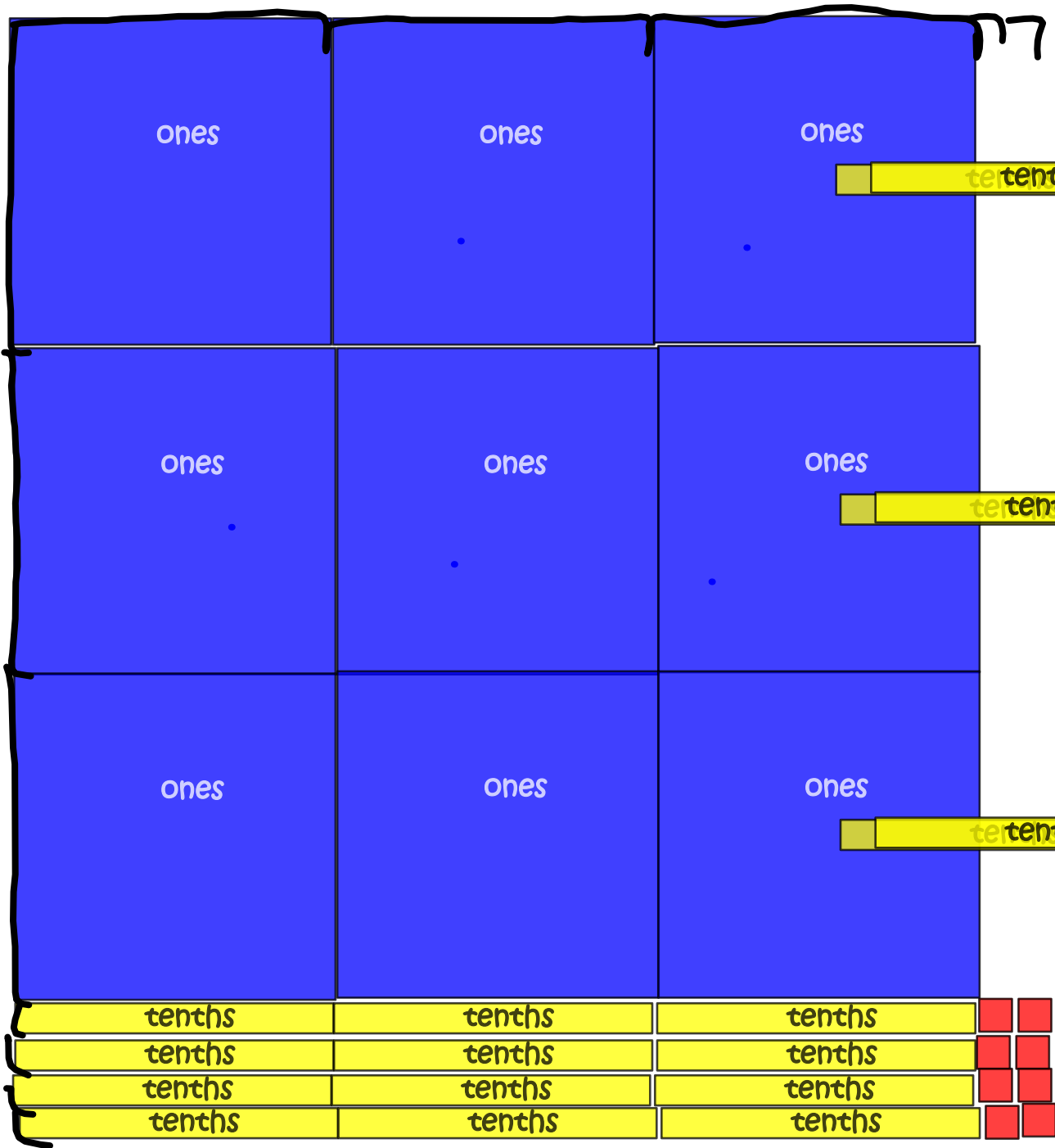


$$\begin{aligned} \underline{\quad} \text{ ones} &= 2 \\ \underline{\quad} \text{ tenths} &= 1.1 \\ \underline{\quad} \text{ hundredths} &= 0.05 \end{aligned}$$

$$\text{sum } \underline{3.15}$$

$$1.5 \times 2 =$$

show multiplication the regular way



$$\begin{array}{r} \text{ones} = 9 \\ \text{tenths} = 1.8 \\ \text{hundredths} = 0.08 \\ \hline \text{sum } 10.88 \end{array}$$

~~NOT OUT NORMALLY~~

$$3.2 \times 3.4 = 10.88$$

[https://www.youtube.com/watch?v=7Q7\\_SmWGoFo](https://www.youtube.com/watch?v=7Q7_SmWGoFo)

Model the following multiplication

$$2.1 \times 1.4$$

Model the following multiplication

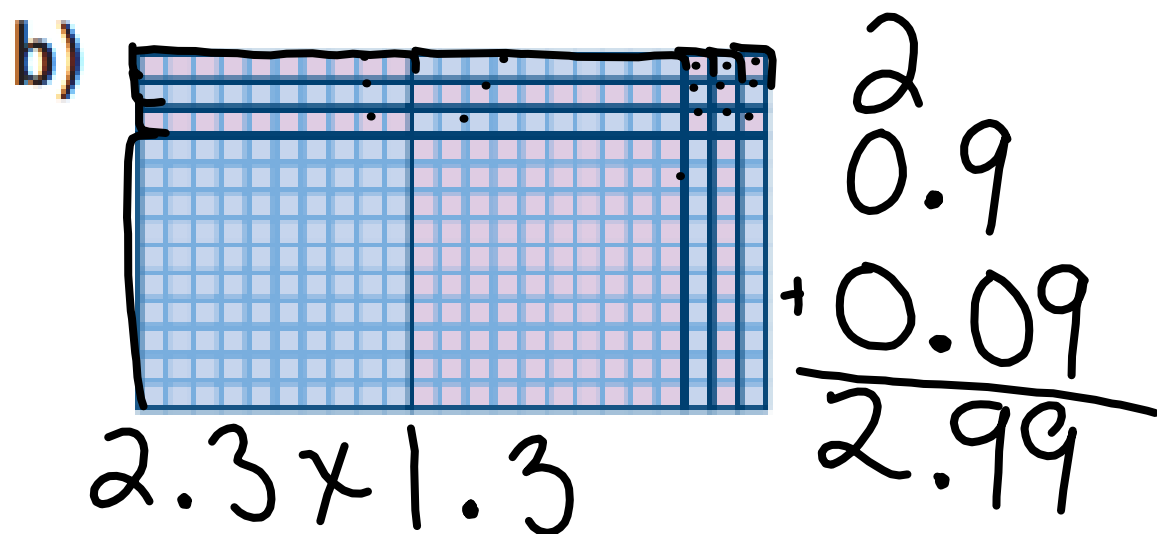
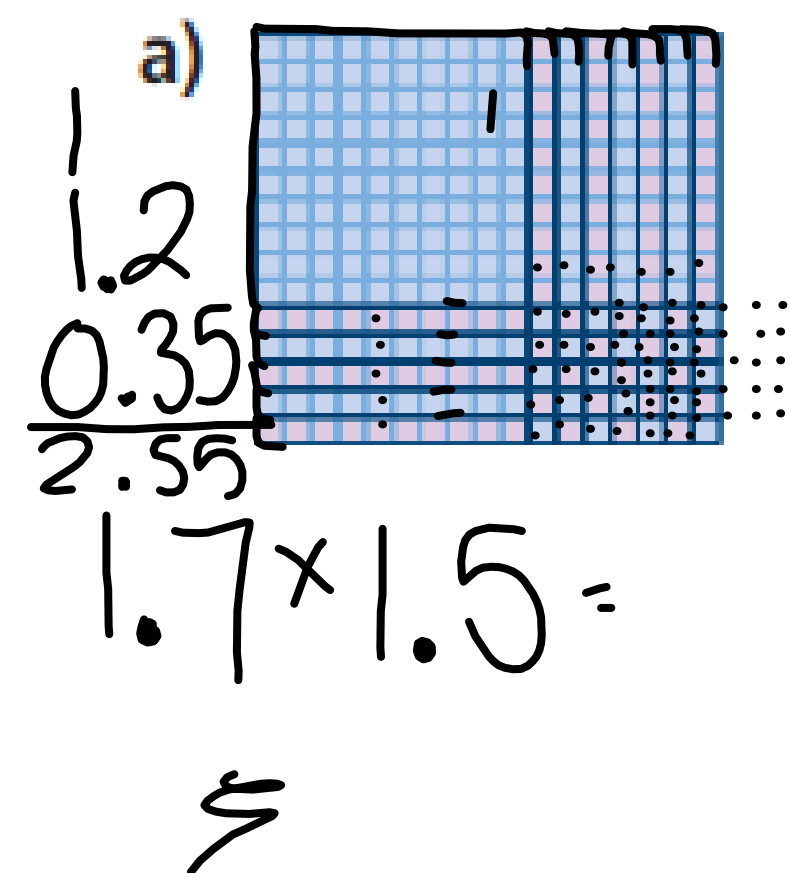
$$2.1 \times 0.4$$

Homework pg. 102 #1ab, 2abc (You have to model for #2)

1. Write the product that each picture represents.

Page 102

Each small square represents 0.01.



Base Ten Blocks to find each product.

Write your work on grid paper.

a)  $1.6 \times 1.5$

b)  $2.3 \times 0.4$

c)  $0.8 \times 0.7$

