

Warm-up

1) 4.57×3

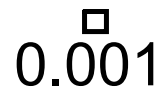
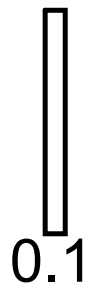
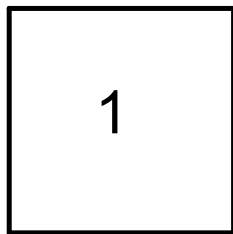
2) 3.91×4.2

This week...

1. We will review all the material for the decimal unit
2. Friday EVERYBODY will rewrite the test
3. BUT...
 - > I will take the better mark out of the two...



Modelling multiplication



0.1×2

0.1×3

0.1×8

0.1×10

0.01×5

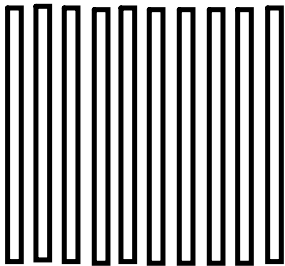
0.01×7

0.01×10

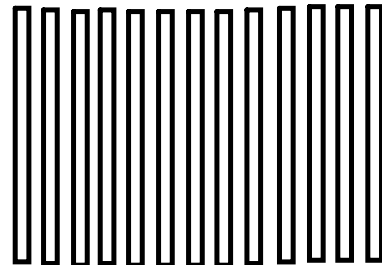
0.01×100

So....

1. What decimal is represented:



2. What decimal is represented



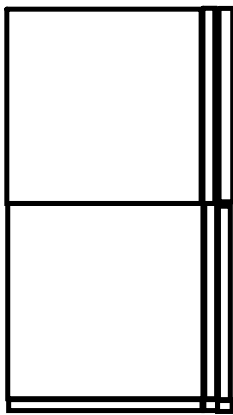
3. What decimal is represented

□□□□ □□□

4. What decimal is represented

□□□ □□□ □□□□□

What multiplication question is this model



Find the answer

Modelling multiplication

- The goal is to complete a square

$$1.3 \times 2.4$$

Let's do these together

a) 2.5×2.4

b) 3.1×4.1

c) 4.6×1.2

d) 5.6×1.5

You try these on your own

$$\begin{array}{r} 2.3 \\ \times 4.6 \\ \hline \end{array}$$

$$\begin{array}{r} 6.5 \\ \times 6.6 \\ \hline \end{array}$$

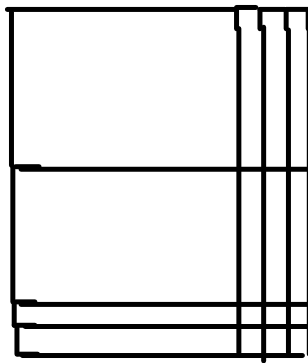
$$\begin{array}{r} 5.8 \\ \times 4.3 \\ \hline \end{array}$$

DAY 2

Warm-up

1. Model the following multiplication problems & find the answer

a) 1.3×2.2

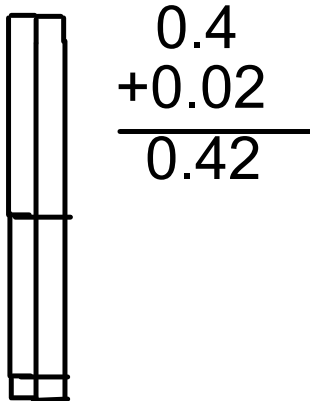


2.86

b) 2.4×2.3

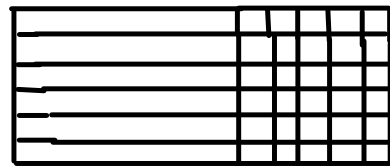
5.52

b) 0.2×2.1



$$\begin{array}{r} 0.4 \\ +0.02 \\ \hline 0.42 \end{array}$$

c) 1.5×0.6



$$\begin{array}{r} 0.6 \\ 0.30 \\ \hline 0.90 \end{array}$$

Multiplying Decimals Without Modelling

Steps:

1. Drop the decimal
2. Line up your digits
3. Long multiplication
4. Add your decimal place back in
 - > How many places after each decimal in the question? Add them up and move the decimal that many places into your answer

Let's do these together:

a) 3.452×2.7

b) 19.1×1.781

$1 + 3 = 4$

$$\begin{array}{r} \times \\ \hline 191 \\ 133700 \\ 191000 \\ \hline 34.0171 \\ \text{mm} \end{array}$$

Do these on your own:

a) 21.23×3

$$\begin{array}{r} 2123 \\ \times \quad 3 \\ \hline 6369 \end{array}$$

b) 95.606×4.11

$$\begin{array}{r} 95606 \\ \times 411 \\ \hline 95606 \\ 1956060 \\ 38242400 \\ \hline 39294066 \end{array}$$

$3+2 = 5$

$3 + 1 = 4$

c) 3.456×12.1


$$\begin{array}{r} 3456 \\ \times 121 \\ \hline 3456 \\ 69120 \\ 345600 \\ \hline 418176 \end{array}$$

d) 7.901×3.562

$$\begin{array}{r} 7901 \\ \times 3562 \\ \hline 15802 \\ 395060 \\ 2370300 \\ \hline 28143362 \end{array}$$

Inclass/Homework

 Worksheet #1 - NO MODELLING

 Worksheet #2 - MODEL

Attachments

Test Practice 1.pdf

Test Practice 2.pdf