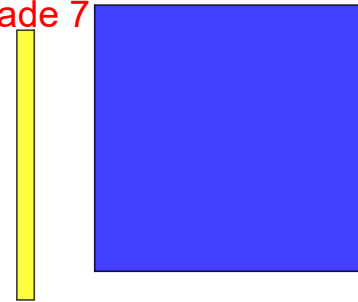


# Warm Up Grade 7

Quiz not tomorrow but next day

Wednesday  



Model and answer

a)  $2.4 \times 2.4$

b)  $3.1 \times 0.3$

4 ones  
16 tenths  
16 hundredths

$$\begin{array}{r} 4.00 \\ 1.60 \\ + 0.16 \\ \hline 5.76 \end{array}$$

b

0 ones  
9 tenths  
3 hundredths

$$\begin{array}{r} 0.00 \\ 0.90 \\ + 0.03 \\ \hline 0.93 \end{array}$$

You multiply decimals the same way you multiply whole, but you have to remember to put the decimal in the proper position in your answer.

Try the following:

(a)  $42.7 \times 0.6 = 25.62$       (b)  $1.23 \times 4.2 = 5.166$       (c)  $21.6 \times 5.56 = 120.096$

$$\begin{array}{r} 42.7 \\ \times 0.6 \\ \hline 2562 \end{array}$$

$$\begin{array}{r} 1.23 \\ \times 4.2 \\ \hline 246 \\ + 4920 \\ \hline 5166 \end{array}$$

$$\begin{array}{r} 21.6 \\ \times 5.56 \\ \hline 1296 \\ 10800 \\ 108000 \\ \hline 120096 \end{array}$$

# Class/Homework

Yesterday  
Page 102

#4, #5, #7, #10, #12<sup>a</sup>

Quiz Tuesday

TODAY

Do worksheet from Yesterday

If you need more then do the following on  
your own paper

1)  $12.36 \times 7.2$     2)  $3.25 \times 0.4$     3)  $1.9 \times 2.37$     4)  $14.7 \times 6.2$

5)  $60.7 \times 124$     6)  $8 \times 54.7$     7)  $12.7 + 0.25$     8)  $14.3 - 1.24$

9)  $115.69 + 21.24$

$$\begin{array}{r} 55.2 \\ \times 31.6 \\ \hline 3312 \\ 5520 \\ 165600 \\ \hline 174432 \end{array}$$

$$\begin{array}{r} 160 \\ \times 753 \\ \hline 480 \\ 8000 \\ 112000 \\ \hline 120480 \end{array}$$

$$\begin{array}{r} 144 \\ \times 514 \\ \hline 576 \\ 1440 \\ 72000 \\ \hline 74076 \end{array}$$

$$\begin{array}{r} 635 \\ \times 824 \\ \hline 2540 \\ 12700 \\ 508000 \\ \hline 523240 \end{array}$$

$$\begin{array}{r} 908 \\ \times 728 \\ \hline 7264 \\ 18160 \\ 635600 \\ \hline 661024 \end{array}$$

$$\begin{array}{r} 406 \\ \times 841 \\ \hline 406 \\ 16240 \\ 324800 \\ \hline 341446 \end{array}$$

$$\begin{array}{r} 347 \\ \times 540 \\ \hline 000 \\ 13880 \\ 173500 \\ \hline 187380 \end{array}$$

$$\begin{array}{r} 115 \\ \times 661 \\ \hline 115 \\ 6900 \\ 69000 \\ \hline 76015 \end{array}$$

$$\begin{array}{r} 667 \\ \times 709 \\ \hline 6003 \\ 0000 \\ 466900 \\ \hline 472903 \end{array}$$

1)  $12.36 \times 7.2$

$$\begin{array}{r} 12.36 \\ \times 7.2 \\ \hline 2472 \\ 86520 \\ \hline 88992 \end{array}$$

2)  $3.25 \times 0.4$

$$\begin{array}{r} 3.25 \\ \times 0.4 \\ \hline 1300 \end{array}$$

3)  $1.9 \times 2.37$

$$\begin{array}{r} 1.9 \\ \times 2.37 \\ \hline 2133 \\ 2370 \\ \hline 4503 \end{array}$$

4)  $14.7 \times 6.2$

$$\begin{array}{r} 14.7 \\ \times 6.2 \\ \hline 294 \\ 8820 \\ \hline 9114 \end{array}$$

5)  $60.7 \times 124$

$$\begin{array}{r} 60.7 \\ \times 124 \\ \hline 2428 \\ 12140 \\ + 60700 \\ \hline 75268 \end{array}$$

6)  $8 \times 54.7$

$$\begin{array}{r} 54.7 \\ \times 8 \\ \hline 4376 \end{array}$$

7)  $12.7 + 0.25$

$$\begin{array}{r} 12.70 \\ + 0.25 \\ \hline 12.95 \end{array}$$

8)  $14.3 - 1.24$

$$\begin{array}{r} 14.30 \\ - 1.24 \\ \hline 13.06 \end{array}$$

9)  $115.69 + 21.24$

$$\begin{array}{r} 115.69 \\ + 21.24 \\ \hline 136.93 \end{array}$$

## Page 102

4. Multiply. Use a rectangle model.

a)  $4.2 \times 3.7$

b)  $8.9 \times 0.3$

c)  $0.6 \times 0.9$

5. A rectangular plot of land measures 30.5 m by 5.3 m.

What is the area of the plot?

Estimate to check your answer is reasonable.



6. Multiply. Describe any patterns you see.

a)  $8.36 \times 10$

$8.36 \times 100$

$8.36 \times 1000$

$8.36 \times 10\,000$

b)  $8.36 \times 0.1$

$8.36 \times 0.01$

$8.36 \times 0.001$

$8.36 \times 0.0001$

- 7. Assessment Focus** An area rug is rectangular.

Its dimensions are 3.4 m by 2.7 m.

Show different strategies you can use to find the area of the rug.

Which strategy is best? Justify your answer.



- 9.** The fuel consumption estimates of Josie's car are:

City: 21.2 km/L      Highway: 23.3 km/L

The car's gas tank holds 40.2 L of fuel.

a) How far could Josie drive on a full tank of gas on the highway before she runs out of fuel?

b) How far could she drive on a full tank of gas in the city?

What assumptions did you make?

**10.** Find the cost of each item at the Farmers' Market.  
Which strategy will you use? Justify your choice.

a) 2.56 kg of apples at \$0.95/kg

b) 10.5 kg of potatoes at \$1.19/kg

c) 0.25 kg of herbs at \$2.48/kg

**12.** a) Multiply  $18 \times 12$ .

b) Use only the result from part a and estimation.  
Find each product.

i)  $1.8 \times 12$

ii)  $18 \times 0.12$

iii)  $0.18 \times 12$

iv)  $0.18 \times 0.12$