

# Warm Up

Copy Problems into the  
Warm Up section of your binder  
Solve, Circle your answers

1. The number 49 is a perfect square. Which answer choice below is also a perfect square?

- Ⓐ 15
- Ⓑ 23
- Ⓒ 30
- Ⓓ 36

2. The pair of jeans Talia bought at 20% off the sales price was originally marked at \$80. Before tax was added, how much money did Talia save by purchasing the jeans on sale?

- Ⓐ \$64
- Ⓑ \$60
- Ⓒ \$26
- Ⓓ \$16

At the front table are rings for your notecards. Get one and put on the ring of your 3 ring binder.

If you do not have a 3 ring binder, you will need to talk to me today. I will be checking them tomorrow while you are taking your test for accuracy.

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- (B) 23
- (C) 30
- (D) 36

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- ~~(A) \$64~~
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- (D) \$16

discount

1) 36 because  $6 \cdot 6 = 36$

2)  $0.20(80) = 16$

\* change %  $\rightarrow$  dec  
of means to mult.

$$\frac{x}{80} = \frac{20}{100} \Rightarrow \frac{15}{\text{of}} = \frac{70}{100}$$

$$100x = 20(80)$$

$$100x = 1600$$

$$\frac{100x}{100} = \frac{1600}{100}$$

$$x = 16$$

**Daily Homework 1# 1-1**

**Box 1: Add/Subt Dec. #5**

**Box 2: Add/Subt Dec. Word Problem #9**

# Multiplying and Dividing Decimals

# Multiplying Decimals

- Multiply as if they are whole numbers
- Count the number of digits to the right of each decimal
- Move the decimal that many places to the left of the final product

**Example 1:** Find the product for each of the following. Show all work!

a. 
$$\begin{array}{r} 25 \\ 12.6 \\ \times 0.9 \\ \hline 1134 \\ \hline 11.34 \end{array}$$

b. 
$$\begin{array}{r} 3 \\ 11.5 \\ \times 0.6 \\ \hline 690 \\ \hline 6.9 \end{array}$$

c. 
$$\begin{array}{r} 1 \\ 3.21 \\ \times 7 \\ \hline 2247 \\ \hline 22.47 \end{array}$$

d. 
$$\begin{array}{r} 1 \\ .164 \\ \times 0.2 \\ \hline 328 \\ \hline .0328 \end{array}$$

Your turn:

e. 
$$\begin{array}{r} 9.2 \\ \times 0.4 \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 0.45 \\ \times 8 \\ \hline \end{array}$$

g. 
$$\begin{array}{r} 4.66 \\ \times 0.4 \\ \hline \end{array}$$

h. 
$$\begin{array}{r} 28.3 \\ \times 0.002 \\ \hline \end{array}$$

Example 2: Find each product. Show all work!

a. 
$$\begin{array}{r} 0.21 \\ \times 1.7 \\ \hline 147 \\ +210 \\ \hline 357 \\ \text{---} \\ .357 \end{array}$$

b. 
$$\begin{array}{r} 35 \\ \times 0.31 \\ \hline 35 \\ +1050 \\ \hline 1085 \\ \text{---} \\ 10.85 \end{array}$$

c. ~~$$\begin{array}{r} 551 \\ \times 1.4 \\ \hline \end{array}$$~~

d. ~~$$\begin{array}{r} 39.6 \\ \times 0.029 \\ \hline \end{array}$$~~

Your Turn

e. 
$$\begin{array}{r} 93.1 \\ \times 0.23 \\ \hline \end{array}$$

f. 
$$\begin{array}{r} 14.6 \\ \times 1.7 \\ \hline \end{array}$$

g. 
$$\begin{array}{r} 22.3 \\ \times 3.1 \\ \hline \end{array}$$

h. 
$$\begin{array}{r} 8.796 \\ \times 0.74 \\ \hline \end{array}$$

## Dividing Decimals - Tips to remember!

- Move the decimal point in the divisor (outside number) to the right to make it a whole number.
- Move the decimal point in the dividend (inside number ) the right the same number of places. Add zeros as place holders
- Divide: Add zero until there is no remainder or the numbers repeat
- Move the decimal point above from its new location

**Division**: Ways to Write it!

$$6 \overline{)92} \quad \text{or} \quad 92 / 6 \quad \text{or} \quad 92 \div 6$$



**Example 4:** Find the quotient of each. Show all work!

a)  $26992 \div 2.8$

b)  $4.41 \div 9$

c)  $37.98 \div 0.9$

$$\begin{array}{r} 2.8 \overline{) 26992} \\ \underline{28} \phantom{00} \\ 919 \phantom{0} \\ \underline{9640} \\ 552 \\ \underline{560} \\ 120 \end{array}$$

Your turn:

d)  $13 \overline{) 7.8}$

e)  $0.34 \overline{) 40.8}$

f)  $0.8 \overline{) 72}$

$$\begin{array}{r} \phantom{0} \overline{) 7.8} \\ \underline{13} \phantom{0} \\ 179 \\ \underline{168} \\ 112 \\ \underline{112} \\ 00 \end{array}$$

Solve each problem. Exit ticket 1-4 Homework 5 - 12 and word problems

1)  $77.2 - 43.778 =$  \_\_\_\_\_

8)  $0.468 \div 6.5 =$  \_\_\_\_\_

2)  $2.072 \div 5.6 =$  \_\_\_\_\_

9)  $0.6144 \div 1.6 =$  \_\_\_\_\_

3)  $6.811 \times 4.997 =$  \_\_\_\_\_

10)  $4.4 \times 2.727 =$  \_\_\_\_\_

4)  $27.001 - 7.5 =$  \_\_\_\_\_

11)  $20.97 + 85.62 =$  \_\_\_\_\_

5)  $4.23 \times 9 =$  \_\_\_\_\_

12)  $48 + 58.1 =$  \_\_\_\_\_

6)  $19.2 + 31.82 =$  \_\_\_\_\_

7)  $97.68 - 32.3 =$  \_\_\_\_\_

**Solve each problem.**

- 1) A bakery used 4 cups of flour to make a full size cake. If they wanted to make a cake that was 0.5 the size, how many cups of flour would they need?
- 2) On Halloween 2 friends each received 0.1 of a pound of candy. How much candy did they receive total?
- 3) Janet can read 3.40 pages of a book in a minute. If she read for 3.22 minutes, how much would she have read?
- 4) A geologist had two rocks on a scale that weighed 3.3 kilograms together. Rock A was 0.1 of the total weight. How much did rock A weigh?
- 5) Janet collected 4 times as many bags of cans as her friend. If her friend collected 0.87 of a bag, how much did Janet collect?
- 6) Each day a carwash used 4.70 liters of soap. After 2 days, how much soap would they have used?
- 7) At the animal shelter 0.64 of the animals are cats. Of the cats 0.63 are male. What amount of the animals at the shelter are male cats?
- 8) Janet needed 2.7 meters of thread to finish a pillow she was making. If she has 4 times as much thread as she needs, what is the length of the thread she has?
- 9) A full package of paper weighs 4.77 kilograms. If George put 4.48 packages of paper on a scale, how much would they weigh?
- 10) A new washing machine used 2.47 liters of water per full load to clean clothes. If George washed 4.7 loads of clothes, how many liters of water would be used?