



Teacher's Resource Masters

GRADE 6 VOLUME 1

Topics 1–4

Home-School Connection Letters

Pick a Project

enVision® STEM Project

Reteach to Build Understanding

Additional Vocabulary Support

Build Mathematical Literacy

Enrichment

enVision® Mathematics

Grade 6

Volume 1: Topics 1–4

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Topic 1 Home-School Connection (English and Spanish)

Topic 1 Pick a Project A–D

Topic 1 **enVision**® STEM Project

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You **annex** one or more zeros in the following addition or subtraction problems.

$$\begin{array}{r} 1.450 \\ + 3.589 \\ \hline \end{array}$$

$$\begin{array}{r} 27,779.700 \\ - 18,998.925 \\ \hline \end{array}$$

$$\begin{array}{r} 4.1111 \\ + 0.6000 \\ \hline \end{array}$$

Place value is important when multiplying decimals.

$$4.76 \cdot 2.6 = \frac{476}{100} \cdot \frac{26}{10}$$

$$= \frac{12,376}{1,000}$$

$$\begin{array}{r} 4.76 \leftarrow \text{Number of decimal places: 2} \\ \times 2.6 \leftarrow \text{Number of decimal places: 1} \\ \hline 2856 \\ + 9520 \\ \hline 12.376 \leftarrow \text{Number of decimal places: } 2 + 1 = 3 \end{array}$$

1. It rained 1.8 inches on Tuesday and 0.24 inch on Wednesday.
How many inches did it rain altogether?

$$\begin{array}{r} \square.\square\square \leftarrow \text{Annex a zero in the hundredths place in 1.8.} \\ + \square.\square\square \\ \hline \square.\square\square \leftarrow \text{Add and regroup as necessary.} \end{array}$$

It rained _____ inches altogether.

2. The chef at a restaurant made enough sauce for 20.5 servings.
The sauce is served in small cups that hold 3.275 ounces each.
How many ounces of sauce did the chef make?

$$\begin{array}{r} 3.275 \\ \times 20.5 \\ \hline \end{array}$$

Multiply the decimals as if they were whole numbers.

How many decimal places are in the product? _____

How many ounces of sauce did the chef make?

On the Back!

3. Place the decimal point in the difference and in the product.

$$15.25 - 7.14 = 811$$

$$3.4 \times 2.1 = 714$$

Name _____

Use the vocabulary terms from the list to complete the sentences.

regroup	sum	estimate	factors	decimals	difference
rounding	digit	product	addends	zeros	whole numbers

1. Before adding or subtracting decimals, _____
the answer by _____ the decimals to numbers
that are easier to mentally add or subtract.
2. When adding two decimals, line up the _____ at
the decimal point to find the correct _____.
3. When lining up decimals to add or subtract, it may be necessary
to annex one or more _____ as placeholders so
that each place has a _____.
4. When subtracting two decimals, it may be necessary to
_____ to find the correct _____.
5. When multiplying two decimals, treat the _____
as _____.
6. To place the decimal point in a _____, use the
sum of the decimal places in the _____.

Name _____

Read the problem. Answer the questions to help understand the problem.

Matthew bought a jersey for \$39.99, a pennant for \$10.25, and a hat for \$13.75. He paid with a \$50 bill and some money he borrowed from his friend. If Matthew got \$6.01 in change from the cashier, how much did he borrow from his friend to pay for all of the items?

- 1. Choose the statement that will help solve the problem.**

Explain your choice.

- (A) Count the number of decimal places in the factors to determine how many decimal places to put in the answer.
- (B) Align numbers at the decimal point when adding and subtracting, and place the decimal in the same position in the sum or difference.
- (C) Write the decimals as fractions to make the calculations easier.
- (D) Round the decimals to whole numbers.

- 2. Number the steps to show the order in which to complete the problem.**

- ☐ Find the sum of the extra amount Matthew needed and the change he received from the cashier.
- ☐ Find the total amount Matthew spent on the items.
- ☐ Find how much more money Matthew needed to pay for the items.

- 3. Which strategy could be used to solve the problem?**

- (A) Work backwards
- (B) Draw a picture
- (C) Read a little, do a little
- (D) Make a graph