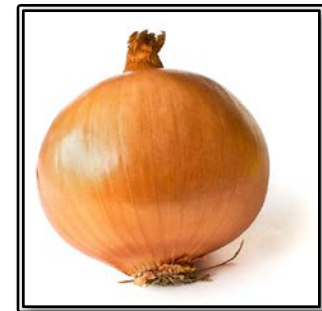


Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Grocery Store Problem 1

Anita went to the grocery store to buy ingredients for her family dinner. She bought a bag of rice for \$3.12. She also bought a can of chicken for \$3.17 and an onion for \$2.20.

How much money did Anita spend in all?





Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Adding Decimals

Directions: Find the sum. Draw a model to represent the problem. Then, show your work using the algorithm.

1.  $0.3 + 0.5 =$

Model		Algorithm
0.3	0.5	
Sum:		

2.  $0.09 + 0.20 =$

Model		Algorithm
0.09	0.20	
Sum:		

3.  $1.45 + 0.12 =$

Model		Algorithm
1.45	.12	
Sum:		

4.  $2.16 + 3.75 =$

Model		Algorithm
2.16	3.75	
Sum:		



## Teacher's Guide: Modeling Decimal Operations

**Modeling Addition:** Students will model the first number in the cell on the left followed by the second number on the right. Find the sum and draw it underneath. Regrouping may be necessary but will be represented when they draw their final answer.

$$0.3 + 0.5 =$$

Model	
0.3	0.5
Sum:	

**Modeling Subtraction:** Students will model the first number and draw the representation. They will then strike out or take away the second number. If borrowing/trading is necessary they will need to draw this as well. Once students know they difference, they will draw their final answer underneath.

$$0.9 - 0.4 =$$

Model
<b>Difference:</b>

**Modeling Multiplication:** Students will first model the decimal number and draw the representation on top. They will then draw the decimal repeated the appropriate number of times. Draw the total underneath. Regrouping may be necessary but will be represented when they draw their final answer.

$$4 \times 0.2 =$$

Model
<b>Product:</b>

**Modeling Division:** Students will first model the decimal number and draw the representation on top. They will then split the decimal into the given number of groups and draw the amount in each group underneath. Trading/regrouping may be necessary but will be represented when they draw their final answer as the amount in each group.

$$0.8 \div 4 =$$

Model			
0.2	0.2	0.2	0.2

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Grocery Store Problem 2

Randall went to the grocery store to buy potatoes. A large bag of potatoes cost \$2.99. If Randall has a five-dollar bill, how much money will he have left after buying the potatoes?







Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Subtracting Decimals

Directions: Find the difference. Draw a model to represent the problem. Then, show your work using the algorithm.

1.  $0.9 - 0.4 =$

Model	Algorithm
Difference:	

2.  $0.34 - 0.11 =$

Model	Algorithm
Difference:	

3.  $1.45 - 0.26 =$

Model	Algorithm
Difference:	

4.  $2.44 - 1.74 =$

Model	Algorithm
Difference:	

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Grocery Store Problem 3

Mrs. Jackson is making an apple pie. The recipe calls for 3 pounds of apples. At the grocery store, the apples cost \$1.19 per pound. How much total money will Mrs. Jackson need to buy the apples?





Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Multiplying a Whole Number by a Decimal

Directions: Find the product. Draw a model to represent the problem. Then, show your work using the algorithm.

1.  $4 \times 0.2 =$

Model	Algorithm
Product:	

2.  $0.06 \times 4 =$

Model	Algorithm
Product:	

3.  $0.32 \times 5 =$

Model	Algorithm
Product:	

4.  $2 \times 1.3 =$

Model	Algorithm
Product:	

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

**Grocery Store Problem 4**

Antonio bought four packs of gum at the grocery store. The total cost of the gum was \$4.48.

How much did each pack of gum cost?





Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

### Dividing Decimals by a Whole Number

Directions: Find the quotient. Draw a model to represent the problem. Then, show your work using the algorithm.

1.  $0.8 \div 4 =$

Model				Algorithm

2.  $0.33 \div 3 =$

Model			Algorithm

3.  $0.54 \div 6$

Model	Algorithm

4.  $1.5 \div 3 =$

Model	Algorithm



## Decimal Word Problem Cards

1.



Joe needed to buy an apple, banana and orange for the fruit salad he was making. The apple cost \$0.82. The banana cost \$0.25 and the orange cost \$0.60. How much money will Joe have to pay altogether?

2.



Isabel needs to buy 3 pounds of beef for her family dinner. Each pound costs \$4.10. How much total money will Isabel pay for the beef?

3.



Raymond brought \$6.84 to the grocery store. He purchased a gallon of milk for \$2.69. How much money will Raymond have left after buying the milk?

4.



Lucy and her two sisters bought a pack of soda for \$3.75. If the three girls split the cost of the soda equally, how much money would each girl have to spend?

5.



Milly's Market charges \$5.67 for a large piece of fish. If I only have \$4.74, how much more money do I need to buy the fish?

6.



The Pizza Place charges \$1.85 per slice of pizza. If your family orders 6 slices, how much money will your family pay?

7.



Carl paid a total of \$8.64 for 4 slices of pizza. What was the price for each slice of pizza?

8.



Rachel needs to buy ingredients for her dinner. She needs to buy 1 box of pasta for \$0.96, a can of tomato sauce for \$2.89, and a bag of shredded cheese for \$3.05. How much total money will the dinner cost?