Super-Journal Week 1:7

Every night, you should be reading at least 30 minutes of whatever book you have checked out from your assigned reading list. Tape or glue (but do not staple) this sheet into your Super-Journal on the left-side page. Fill in the table below *every day* by recording the required data.

Day	Title	Start Pg.	End Pg.	Parent Sign.
Monday				
Tuesday				
Wednesday				
Thursday				
Friday				
Saturday				
Sunday				

On the right-side page of your Super-Journal, answer two of the questions below throughout the week. Be sure that the questions you choose to answer go with the appropriate type of book (Fiction or Nonfiction). The Super-Journal is due on the first day after the weekend (usually Monday). To earn credit for your journal entry, you *must* respond in at least five complete sentences per response and use specific evidence from the text to support your claim based on what you've read this week.

FICTION

1. What conflict or problem did you find in your reading?

2. Summarize what has happened so far in the story.

3. How did the characters solve the problem?

NONFICTION

4. What is the big idea the author has communicated in the text so far?

5. Write a summary of what you learned from the text this week.

RL.1.2/RI.1.2

Estimate Sums and Differences of Decimals

Name _____

Review

When estimating sums and differences of decimals, you can round each decimal number to the nearest whole number.

$14.61 + 12.29 = ?$

Round each of the decimal numbers to the nearest whole number.

14.613 rounds to 15

12.297 rounds to 12

Now add the whole numbers.

$15 + 12 = 27$

$14.613 + 12.297$ is about 27.

Estimate the sum or difference. Round to the nearest whole number.

1. Javier and his brother have a bag of trail mix that weighs 6.382 pounds. They eat 1.72 pounds of the trail mix. About how much trail mix is left in the bag?

   _____

2. Greta and Johanna are picking strawberries at a farm. Greta picks 10.671 pounds and Johanna picks 13.085 pounds. About how many pounds of strawberries did Greta and Johanna pick?

   _____

3. Cole needs 16.75 pounds of apples to make fruit bars. He has 5.329 pounds of apples. About how many pounds of apples does he need to purchase at the grocery store?

   _____

Additional Practice

Name _____

Review

You can estimate sums and differences of decimals.

Seth is buying 2.414 pounds of cherries and 3.205 pounds of grapes. About how many pounds of fruit is Seth buying?

| **One Way** Use rounding to estimate the sum.

2.414   3.205

↓   ↓

2.4 + 3.2 = 5.6

Seth is buying about 5.6 pounds of fruit. |

Another Way Use compatible numbers to estimate the sum.

2.414   3.205

↓   ↓

2.5 + 3 = 5.5

Seth is buying about 5.5 pounds of fruit.

What is a reasonable estimate for the sum or difference? Explain the strategy you used.

1. $8.411 + 2.773 = ?$

_____ + _____ = _____

2. $14.182 + 21.089 = ?$

_____ + _____ = _____

3. $11.2 + 7.795 = ?$

_____ + _____ = _____

4. $24.617 + 19.09 = ?$

_____ + _____ = _____

5. $14.38 - 4.855 = ?$

_____ − _____ = _____

6. $78.584 - 49.723 = ?$

_____ − _____ = _____

7. $33.12 - 16.803 = ?$

_____ − _____ = _____

8. $64.47 - 28.018 = ?$

_____ − _____ = _____

Three Branches by the Constitution

LEGISLATIVE BRANCH
CONGRESS

- Can propose constitutional amendments
- Governs U.S. territories
- Ratifies treaties

SENATE
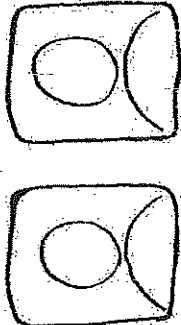
Elected by their state for 6 years

HOUSE OF REPRESENTATIVES
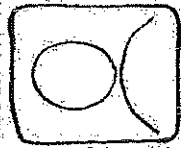
Elected by their district for 2 years

- Hears cases involving 2 states, foreign nations, federal law, etc.
- Tries all constitutional cases in court
- Makes the tie breaking vote in the senate
- Tries impeached officials
- Proposes bills for raising revenue
- After a bill is passed it is approved or vetoed here
- Lays and collects taxes
- Can borrow money
- Regulate commerce with foreign nations
- Make immigration (naturalization) laws
- Make bankruptcy laws
- Coin and regulate money
- Create standard weights & measures
- Punish counterfeiters
- Establish post office & roads
- Write patent & copyright law
- Establish lower federal courts
- Write maritime law
- Declare war
- Raise and support armies
- Establish a navy

EXECUTIVE BRANCH

PRESIDENT

Elected by the electoral college for 4 years

VICE PRESIDENT

- Receive ambassadors & foreign officials
- Recommend legislation to congress, report on the state of the Union
- Appoints ambassadors, judges, officials, etc.
- Approves or denies the president's appointments
- Make treaties
- Can grant pardons
- Commander in chief of the armed forces
- If the electoral college votes tie, they choose the next president
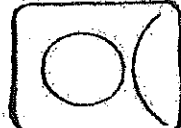- Counts the electoral college votes and declares the President
- Organize, arm, and call up the militia
- Directly govern the national capital city
- Make laws to execute the powers given the federal govt.
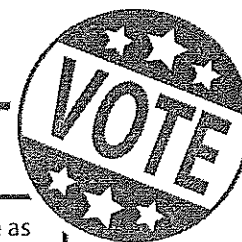
JUDICIAL BRANCH

SUPREME COURT

Appointed by the president, confirmed by the senate for life

Name _____   Date _____

Why Do Citizens Vote?

Directions: Read the text, and then answer the questions.

"The right to vote is the basic right, without which all others are meaningless. It gives people—people as individuals—control over their own destinies."

- President Lyndon B. Johnson

Eligible voters are:

☑ American citizens

☑ 18 years or older

☑ Registered to vote

☑ Residents of a state

Why do citizens in the United States vote? Many people, like former president Lyndon B. Johnson, believe that the right to vote is a way for Americans to decide their destinies. Election season is filled with the hustle and bustle of voters trying to promote ideas and policies that are important to them. When citizens cast their vote for someone, they vote for the ideas and policies that the candidate supports. People vote for elected officials at every level of government. That means every vote cast could change local, state, or federal government.

It's no surprise that voting rights have changed over time. Specific voting rights were not in the original Constitution. Citizens fought for the right for women and African Americans to vote by passing amendments to the Constitution and voting rights laws. Why would Americans work so hard for the right to vote? One reason is to have a say in who represents them in government. People want their elected officials to pass laws and policies that are important to them. Now, most United States citizens that are 18 years or older have the right to vote in elections.

Every four years, the presidential election decides who will be the president and vice president for the next four years. The president can make changes to government agencies, like the Department of Education or the Armed Forces. Presidents can also suggest laws or veto laws that Congress has passed. Voting for president is one step towards making sure the president signs laws voters want.

People vote for local leaders, too! Your local government is probably in charge of police and fire departments, public transportation, and other public services. Elected officials in local government make decisions about how to run these services.

The best way to affect any policy in your local community is for citizens in that community to vote. A vote for a local official can decide how many public buses are available. A vote can determine which programs exist in a local public school.

Even though you may not be allowed to vote yet, you can still spread the word to others! Encourage them to vote. When you're eligible to vote, will you?

Key Terms:
candidate: someone running for public office in an election

election: a way to pick someone for public office

elected: someone chosen for office by votes

local election: election where mayors and local officials are elected

veto: to stop legislation from being passed into law

Additional Practice

Name _____

Review

You can decompose decimals different ways to find partial sums.

Franklin is shipping two packages that weigh 16.25 pounds and 12.05 pounds. Find the total weight of the packages.

One Way Decompose by place value. Add partial sums to find the sum.	**Another Way** Decompose into whole-numbers and decimals. Add partial sums to find the sum.
$16.25 + 12.05 = f$	$16.25 + 12.05 = f$
$10 + 10 = 20$	$16 + 12 = 28$
$6 + 2 = 8$	$0.25 + 0.05 = 0.30$
$0.2 + 0.0 = 0.2$	$28 + 0.3 = 28.3$
$0.05 + 0.05 = 0.1$	
$20 + 8 + 0.2 + 0.1 = 28.3$	

The total weight of the packages is 28.3 pounds.

What is the sum? Use partial sums to solve.

1. $3.16 + 8.4 =$ _____

2. $17.853 + 0.5 =$ _____

3. $25.42 + 16.712 =$ _____

4. $70.946 + 59.015 =$ _____

Use Partial Sums to Add Decimals

Name _____

Review

Add. $52.4 + 8.732$

One Way Decompose by place value.

Write each number in expanded form.

$(50 + 2 + 0.4) + (8 + 0.7 + 0.03 + 0.002)$

Line up place value by place value to make it easy to add.

$$50 + 2 + 0.4$$
$$+ \quad 8 + 0.7 + 0.03 + 0.002$$
$$\overline{50 + 10 + 1.1 + 0.03 + 0.002} = 60 + 1.132$$
$$= 61.132$$

Another Way Use partial sums to add.
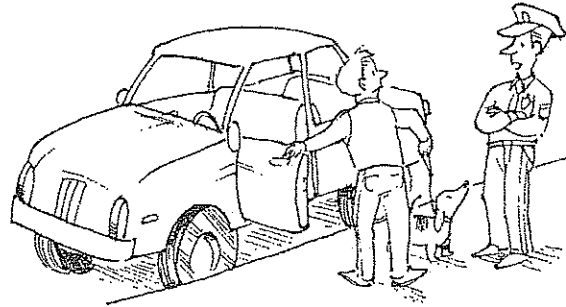
$(52 + 0.4) + (8 + 0.7 + 0.03 + 0.002)$

Add place values.

$$52 + 0.4$$
$$+ \ 8 + 0.7 + 0.03 + 0.002$$
$$\overline{60 + 1.1 + 0.03 + 0.002} = 61.132$$

Add. Show your work.

1. $48.5 + 6.72 =$ _____

2. $30.684 + 9.5 =$ _____

Name: _____   Date: _____

Riddle 41

"Does your dog have a license?"

Add.
Solve the riddle using your answers below.

$1.34 + $3.27 $ _____ E	$2.34 + $1.65 $ _____ S	$1.62 + $3.56 $ _____ O
$2.10 + $1.40 $ _____ V	$1.46 + $ .23 $ _____ R	$3.73 + $3.59 $ _____ H
$1.73 + $5.24 $ _____ N	$3.68 + $ .29 $ _____ M	$1.58 + $2.48 $ _____ L
$4.57 + $1.22 $ _____ D	$4.93 + $1.77 $ _____ I	$1.25 + $ .63 $ _____ T

Solve the Riddle!   Write the letter that goes with each answer.

_____ _____ , _____ _____   _____ _____ _____ _____ _____ _____
$6.97 $5.18 $7.32 $4.61 $5.79 $5.18 $4.61 $3.99 $6.97 $1.88

_____ _____ _____ _____ _____ .
$5.79 $1.69 $6.70 $3.50 $4.61

3. Paying for a Meal

Eating Out

When you go out to dinner, first plan ahead. Estimate how much money you think you'll need. Then, when you order, add up the prices of the items you wish to order to make sure you have enough money. When your bill comes, be sure to check your waitperson's math! Don't forget tax and tip (usually 15% of the cost of your meal).

Menu

Entrée

Hamburger	$5.00
Cheeseburger	5.85
Chopped Steak	7.25
Fried Shrimp	7.50
Broiled Filet of Sole	7.75
Seafood Platter	8.25

Side Orders

Soup of the Day	3.75
Side Salad	1.60
Vegetable of the Day	2.55
Cole Slaw	1.35
Onion Rings	1.10
French Fries	1.00
Baked Potato	1.90

Sandwiches

Egg Salad	3.50
Tuna	3.95
Turkey	4.25
Chicken Salad	3.75
Ham and Cheese	3.95
Roast Beef	4.50

Desserts

Chocolate Cake	3.65
Apple Pie	3.79
Cheesecake	3.85
Ice Cream Scoop	1.75
Donut	.55

Beverages

Fruit Juice	1.55
Milk	1.00
Hot Chocolate	1.65
Coffee or Tea	.75

Quick Reference

When adding money, remember these steps:
- Line up the decimal points for each amount you are adding.
- Add each column of numbers from right to left.
- The sum, or total, is the answer to an addition problem.
- To check your answer, add the amounts again, starting with a different number first.

Look at the menu on page 27 to find the price of each item. Write the prices and then add to find the total cost of each meal. The first problem is done for you.

1. Hamburger $5
   Hot Chocolate $1.65
   Total $6.65

2. Tuna Sandwich .... _____
   Soup .... _____
   Apple Pie .... _____
   Total .... _____

3. Ham and Cheese Sandwich ... _____
   Milk .... _____
   Total .... _____

4. Cheeseburger .... _____
   Fruit Juice .... _____
   Total .... _____

5. Roast Beef Sandwich .... _____
   French Fries .... _____
   Hot Chocolate .... _____
   Total .... _____

6. Fried Shrimp .... _____
   Onion Rings .... _____
   Total .... _____

7. Chicken Salad Sandwich ...... _____
   Soup .... _____
   Apple Pie .... _____
   Total .... _____

8. Turkey Sandwich .... _____
   Cole Slaw .... _____
   Fruit Juice .... _____
   Total .... _____

9. Seafood Platter .... _____
   Vegetable .... _____
   Cheesecake .... _____
   Coffee .... _____
   Total .... _____

10. Chopped Steak .... _____
    Baked Potato .... _____
    Chocolate Cake .... _____
    Total .... _____

11. Filet of Sole .... _____
    French Fries .... _____
    Side Salad .... _____
    Fruit Juice .... _____
    Total .... _____

On Your Own

List the items that you would like to order. Then compute the total cost of your meal.

_____

_____

_____

_____ Total

ELECTRICITY AND BATTERIES

by Nicole S. Slate

1   Electricity powers our smartphones, music players, and other devices. Where does the electricity for these small machines come from? Batteries, of course. But who invented the battery? And what did a battery teach us about the relationship between electricity and magnetism?

2   Let's begin with the invention of the battery. In 1799, scientists didn't know much about electricity. When faced with the unknown, scientists get curious—and Alessandro Volta was curious, indeed. Volta discovered that he could produce electricity by dipping two different metals (such as zinc and copper) into a glass of salt water. He experimented further. First, he soaked small pieces of cardboard in salt water. Next, he sandwiched one piece of soaked cardboard between a copper disk and a zinc disk. Finally, he stacked several such sandwiches into a pile. When Volta attached a wire to the top and bottom of the pile, electricity flowed through the wire. The first battery was born.

3   In the following years, scientists made more discoveries about electricity. One of the most startling of these came in 1820. In that year, the scientist Hans Oersted (UR-stead) observed that a compass needle will move when brought near a wire hooked to a battery. Oersted, knowing that compass needles respond to magnets, realized that electric currents produce magnetic fields. Oersted's recognition that electricity and magnetism are related was one of the most important discoveries of nineteenth-century science.

4   Today, batteries, electricity, and magnetism are so common that you probably don't give them a second thought. But to people of 1799 and 1820, Volta's and Oersted's discoveries were magical. If you ever get the chance to build a battery and use it to generate a magnetic field, you might experience a bit of that old magic for yourself.

Name _____

"Electricity and Batteries": Multiply Whole Numbers

Solve each problem. Show your work.

1. A battery company distributes 416 units of batteries every day. Each unit contains 24 batteries.

a. How many batteries does the battery company distribute every day?

b. How many batteries does the battery company distribute in 7 days?

The company distributes _____ batteries each day.

The company distributes _____ batteries in 7 days.

Name _____

2. A hardware store sold 148 packages of AAA batteries and 164 packages of AA batteries last month. All of the packages contain 4 batteries.

a. What is the total number of batteries sold last month at the hardware store?

b. If the hardware store sells the same number of batteries each month, how many batteries will be sold in 12 months?

The shop sold _____ batteries last month.

The hardware store will sell _____ batteries in 12 months.

Additional Practice

Name _____

Review

You can use an algorithm to add decimals.

Evan hikes two nature trails. The lengths of the trails are 0.512 mile and 0.453 mile. What is the total distance Evan hikes?

Step 1 Add the thousandths.

$0.002 + 0.003 = 0.005$

Step 2 Add the hundredths.

$0.01 + 0.05 = 0.06$

Step 3 Add the tenths.

$0.5 + 0.4 = 0.9$

The total distance Evan hikes is 0.965 mile.

Align the decimal point.

$$\begin{array}{r} 0.512 \\ +0.453 \\ \hline 0.965 \end{array}$$

What is the sum? Use an algorithm to solve.

1.
$$\begin{array}{r} 4.46 \\ +2.335 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 35.819 \\ +\ \ 3.702 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 16.358 \\ +43.726 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 25.755 \\ +75.16 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 146.257 \\ +155.331 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 356.342 \\ +694.187 \\ \hline \end{array}$$

Use an Algorithm to Add Decimals

Name _____

Review

You can add the decimals using an algorithm.

6.12 + 7.245

Align the decimals and then add as you normally would do, starting with the right column, and working your way to the left column.

```
   6.12
+ 7.245
_____
 13.365
```

Make sure to put the decimal point in the answer directly below the decimal points in the problem.

Add. Use an algorithm to solve.

1.
```
  3.512
+ 7.201
```

3.
```
  12.7
+ 4.29
```

2.
```
  0.89
+ 5.716
```

4.
```
  4.783
+ 8.927
```

Add. Use an algorithm to solve.

5. 16.03 + 22.081

6. 2.104 + 7.94