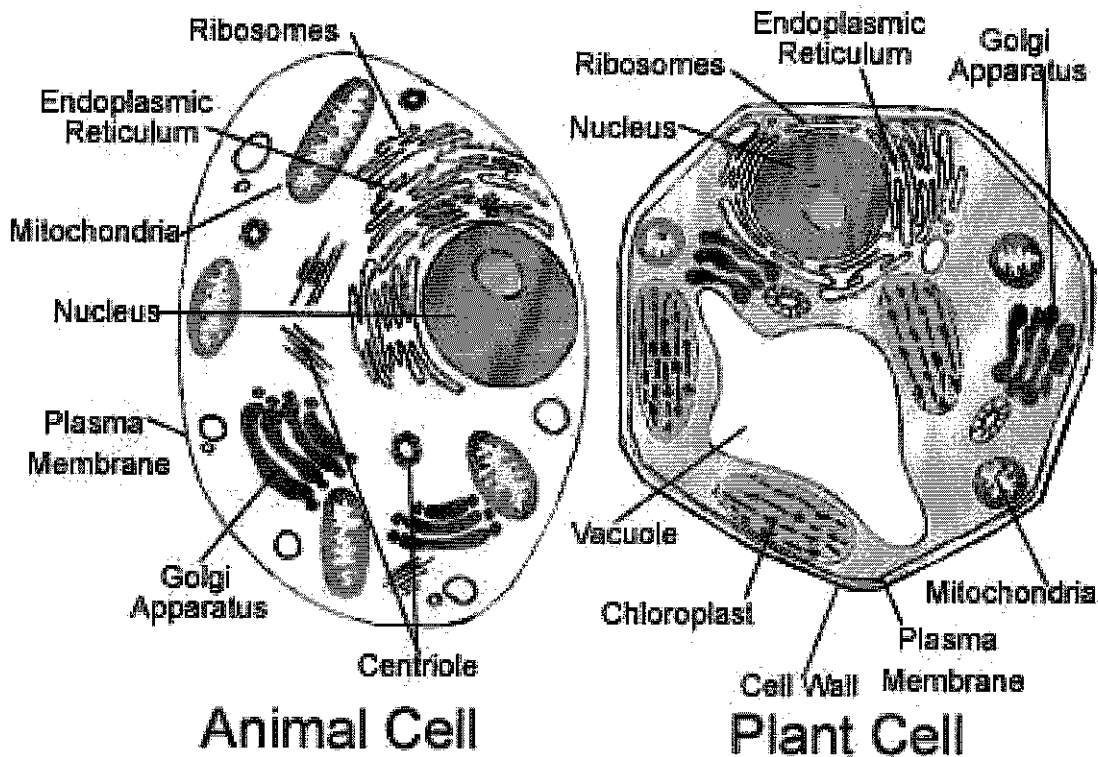


# Fifth Grade Science Homework B. Stephens & Ohene

Science Homework for October 23-26, 2017

Cells Science Padlet:

<https://padlet.com/stephensb11/cells>



Name \_\_\_\_\_



# Problem-Solving Investigation

STRATEGY: Look for a Pattern

## Lesson 7

### ESSENTIAL QUESTION ?

How is multiplying and dividing decimals similar to multiplying and dividing whole numbers?

## Learn the Strategy



The table shows the amount Hank pays for his clothes and the amount of his discount. How much will he pay, and how much will the discount be for a shirt that costs \$34.70?

Item	Cost	Discount Amount	Final Cost
Boots	\$68.80	\$6.88	\$61.92
Jacket	\$62.30	\$6.23	\$56.07
Pants	\$48.50	\$4.85	\$43.65
Shirt	\$34.70	■	■

### 1 Understand

What facts do you know?

- Hank will receive a \_\_\_\_\_ on his \_\_\_\_\_.

What do you need to find?

- I need to find the amount Hank will pay for the \_\_\_\_\_.



### 2 Plan

Look for a pattern. Extend the pattern to find the final cost.

### 3 Solve

Multiply the cost of the item by \_\_\_\_\_ to find the discount.

Subtract the discount from the \_\_\_\_\_ to find the final cost.

$\$34.70 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$       The discount is \_\_\_\_\_.

$\$34.70 - \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$       Hank will pay \_\_\_\_\_.

### 4 Check

Does your answer make sense? Explain.

# Practice the Strategy

Adrienne did 13 sit-ups the first day, 20 sit-ups the second day, and 27 sit-ups the third day. If the pattern continues, how many sit-ups will she do on the sixth day?



## 1 Understand

What facts do you know?

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What do you need to find?

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## 2 Plan

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## 3 Solve

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## 4 Check

Is my answer reasonable?

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Name \_\_\_\_\_

## Apply the Strategy

Solve each problem by looking for a pattern.



1. Every year, Victoria receives \$30 for her birthday, plus \$2 for each year of her age. Lacey receives \$20 for her birthday and \$4 for each year of her age. In 2013, Victoria is 10, and Lacey is 6. In what year will they both receive the same amount of money?
- \_\_\_\_\_

2. Trent lifts weights 7 days a week. He spends 18 minutes lifting weights on Monday, 29 minutes on Tuesday, 40 minutes on Wednesday, and 51 minutes on Thursday. If this pattern continues, how many minutes will Trent lift weights on Saturday?
- \_\_\_\_\_

3. Find the missing numbers in the table. Then describe the pattern.
- \_\_\_\_\_

Input	Output
5	9
10	19
15	■
20	39
■	49

4. **Mathematical PRACTICE**  **Look for a Pattern** Describe the pattern below. Then find the next three numbers.

0.03, 0.3, 3, 30, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_

5. Describe the pattern below. Then find the next two numbers.

784.5, 78.45, 7.845, \_\_\_\_\_, \_\_\_\_\_


\_\_\_\_\_

My Work!

# Review the Strategies

Use any strategy to solve each problem.

- Make a table.
- Choose an operation.
- Act it out.
- Draw a picture.

**Mathematical**  
**6. PRACTICE**  **Plan Your Solution** Samuel will arrive at the airport on the first plane after 10 A.M. Airplanes arrive every 50 minutes beginning at 6 A.M. When will Samuel's plane arrive?

**7.** On Serena's tenth birthday, her mom was 3 times Serena's age. How old will Serena and her mom be when her mom's age times 0.5 will equal Serena's age?

**8.** Mindy read 8 pages of her book the first day, 15 pages the second day, and 22 pages the third day. If the pattern continues, how many pages of her book will she read on the sixth day?

**9.** A 1-mile hiking path has signs placed every 240 feet. There are signs placed at the beginning and end of the mile. How many signs are there? (Hint: 1 mile = 5,280 feet)

**10.** Jada lives in a city that has an area of 344.6 square miles. Her friend lives in a town that is one-tenth, or 0.1, that size. What is the area of her friend's town?

**11.** Dennis has 9.5 weeks to prepare for a bike tour. If he rides 8.2 miles each week, how many miles will he ride before the bike tour?

My Work!



Name \_\_\_\_\_ Date \_\_\_\_\_

## How Much Money?

You have been asked by your school principal to help count the money at your school store. Your job is to determine how many pennies (\$0.01), nickels (\$0.05), dimes (\$0.10), and quarters (\$0.25) you have at the end of the day.



Complete the chart below and determine the maximum number of each type of coin that could be found in the final daily school store balance.

Final Daily Balance	# of Pennies (\$0.01)	# of nickels (\$0.05)	# of dimes (\$0.10)	# of quarters (\$0.25)
Example \$34.50	3450	690	345	138
Day 1 -- \$21.00				
Day 2 -- \$35.50				
Day 3 -- \$69.00				
Day 4 -- \$121.00				
Day 5 -- \$234.50				

# Homework Mountain Language

Use the response sheet on the back to complete the assignments. Match the number below, with the questions on the Response Sheet to answer the questions. Complete 5 questions each day, they will be reviewed in class the following day.

- |   |  |   |
|---|--|---|
| <p>1 people</p> <p>2 sandwich</p> <p>3 she will</p> <p>4 highway</p> <p>5 sideswipe</p> <p>6 dissatisfied</p> <p>7 game console of the kids</p> <p>8 fragile glass<br/>breakable tough strong</p> | <p>9 The tennis courts need new nets</p> <p>10 equal - erase<br/>epithel equip erosion</p> <p>11 painting is to artist as<br/>baking is to _____</p> <p>12 battery</p> <p>13 them trees have<br/>grew the taller of all</p> <p>14 We sang at the picnic</p> <p>15 February suspect poverty</p> | <p>20 words that begin with S</p> <p>16 noun<br/>root<br/>soil<br/>howl</p> <p>18 night<br/>rabbit<br/>tiger<br/>tidal</p> <p>19 precious<br/>worthless<br/>dear<br/>useful</p> |
|---|--|---|

Name \_\_\_\_\_

## Mountain Language Homework

### Monday

1. Is the noun a common noun or a proper noun? \_\_\_\_\_ If a proper noun, write it correctly. \_\_\_\_\_
2. Write the singular or plural form of the word. \_\_\_\_\_
3. Write the contraction or the two words that make the contraction. \_\_\_\_\_
4. Write the abbreviation. \_\_\_\_\_
5. Write the two words that make the compound word. \_\_\_\_\_

### Tuesday

6. Write the prefix. \_\_\_\_\_ Write the suffix. \_\_\_\_\_ Write the base or root word. \_\_\_\_\_
7. Show the possession of the subject. \_\_\_\_\_
8. Choose the Synonym. \_\_\_\_\_
9. Choose the subject. \_\_\_\_\_ Choose the predicate. \_\_\_\_\_
10. Choose the word that would be found between the guide words. \_\_\_\_\_

### Wednesday

11. Write the correct word. \_\_\_\_\_
12. Divide the word into syllables. \_\_\_\_\_
13. Proofread and write the sentence correctly. \_\_\_\_\_
14. Is the statement a fact or an opinion? \_\_\_\_\_
15. Choose the misspelled word and write it correctly. \_\_\_\_\_

### Thursday

16. Choose the word that has the same sound as the underlined letter(s). \_\_\_\_\_
17. Which word does not belong? \_\_\_\_\_
18. Put the words in ABC order. \_\_\_\_\_
19. Write the antonym. \_\_\_\_\_
20. List as many items as you can that fit in the category. \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Main Idea

Remember, **main idea** is the main point of the passage. Writers support their **main idea** by using facts and details.

Read the passage and answer the questions that following.

Fifth grade is a good time to show additional responsibility. Fifth graders could show additional responsibility by getting a cell phone. As fifth graders, we are starting to stay after school for clubs or sports, and when we go into middle school, we will do more of this. With this added responsibility after school, we need a way to get in touch with our parents. Also, fifth graders are old enough to understand how to use a cell phone responsibly. A fifth grader understands that a phone is not just for playing games and listening to music. A fifth grader can show responsibility by not using all of the phone minutes or data on the phone for fun. Parents could help fifth graders set time limits for games and music. Finally, a phone is an expensive item, and you have to take care of it. A fifth grader can show responsibility by keeping up with the phone and not losing it.

1. Which sentence best states the **main idea** of the paragraph.
  - a. Fifth grade is a good time to show additional responsibility.
  - b. Also, fifth graders are old enough to understand how to use a cell phone responsibly.
  - c. Fifth graders could show additional responsibility by getting a cell phone.
  
2. Which of the following best supports the **main idea** of the paragraph?
  - a. A fifth grader can show responsibility by not using all of the phone minutes or data.
  - b. As fifth graders, we are starting to stay after school for clubs or sports.
  - c. Finally, a phone is an expensive item.
  
3. Which of the following would best support the **main idea** if added to the paragraph?
  - a. A phone could also be used to text friends and family members.
  - b. It takes responsibility not to break the rules that parents set for how to use the phone.
  - c. If there is an emergency at school, a cell phone would be useful.

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Name: \_\_\_\_\_

Date: \_\_\_\_\_

### Finding the Main Idea

Directions: After reading the paragraph, write a sentence stating the main idea.

You have heard of assassins in the movies, but have you ever heard of an assassin bug? As their name indicates, assassin bugs are bugs that kill other bugs. These sneaky creatures lie in wait for their next victim. When an unfortunate bug crosses their path, the assassin bug stabs the poor victim with its beak and injects a toxin. This toxin dissolves the tissues inside of the other bug. When the inside of the bug is dissolved, the assassin bug sucks out the dissolved insides of the other bug. Although we think of the spider as sitting in their web waiting to kill their prey, the spider is one of the favorite meals of the assassin bug. But even the assassin bug isn't safe. They are known to kill and eat each other. Some examples of assassin bugs are the wheel bug, cone-nose, and one known as the big bedbug.

The main idea of this paragraph is: \_\_\_\_\_

The Statue of Liberty is one of the most popular tourist sites in New York City. This lovely lady was a birthday gift to our nation by France in 1886. It was built by Auguste Bartholdi, a French sculptor, and took nine years to complete. It is made from copper, resulting in its green color because of the oxidation from evaporating seawater. Without the pedestal, the statue itself is as tall as a 15 story building. She has become the symbol of freedom and democracy. This was very true for the immigrants that came to the United States in the late 1800s and early 1900s. The Statue of Liberty was the first thing they saw from the ships as they arrived. It was designated a National Monument in 1924. Today, the Statue of Liberty is a favorite tourist site for families. To reach the crown, which has seven spikes representing the seven oceans or seven continents, you must climb 354 stairs or ride an elevator. Once you arrive in the crown, there are 25 windows from which you can view the surrounding scenery. If you are ever in New York City, it is a history lesson waiting for you to explore.

The main idea of this paragraph is: \_\_\_\_\_

Although you don't start earning credits for graduation until high school, what you learn in grades 1-8 can affect your chances of successfully earning those credits. Basic math, reading, and grammar skills are learned in elementary and middle school. So if you don't learn the basic skills in these subjects, you will most likely not be successful in high school math classes such as Algebra and Geometry or in English 1-IV. You will even have problems passing classes such as Chemistry because you won't have the math skills needed. So, as you can see, what you learn and the grades you make in elementary and middle school are just as important to your future as high school.

The main idea of this paragraph is: \_\_\_\_\_



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