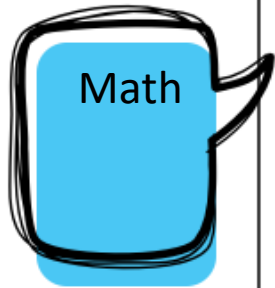


# DIGITAL LEARNING

& Distant Learning



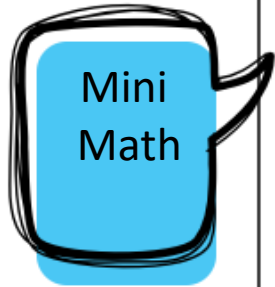
Math

	monday 20	tuesday 21	wednesday 22	thursday 23	friday
	<p><b>Multiply Whole Numbers Review</b>  <b>Review notes and complete problems 1-4</b>                      Complete 2 of the problems using Standard Algorithm and 2 of the problems using the area model</p>	<p><b>Multiply Whole Numbers Review</b>  <b>Review notes and complete problems 5-8</b>                      Complete 2 of the problems using Standard Algorithm and 2 of the problems using the area model</p>	<p><b>Divide Whole Numbers Review</b>  <b>Review notes and complete problems 9-12 &amp; 17</b>                      Complete 2 of the problems using Standard Algorithm and 2 of the problems using the area model</p>	<p><b>Divide Whole Numbers Review</b>  <b>Review notes and complete problems 13-16 &amp; 18</b>                      Complete 2 of the problems using Standard Algorithm and 2 of the problems using the area model</p>	<p>Fun Friday                      Zearn Or                      Prodigy</p>
<p>Padlet.com/sernest/18</p>	<p>Password=Password!</p>				
	<p>Building a Green town                      pg.133                      Time read;                      Then read                      133-134</p>	<p>Building a Green town                      Pg. 133-135                      Find main ideas and details.</p>	<p>Building a Green town                      Pg. 133-135                      Answer questions with complete sentences &amp; explanations</p>	<p>Vocabulary :                      Latin Roots                      pg. 137</p>	<p>Phonics                      Pg. 138</p>



Reading & 20 mins. free read

# DIGITAL LEARNING



monday

Mini Math  
Week # 30  
Day 1

tuesday

Mini Math  
day 2

wednesday

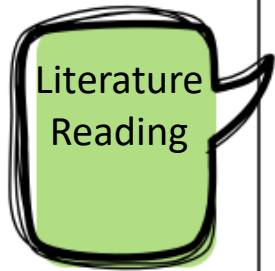
Mini Math  
day 3

thursday

Mini Math  
day 4

friday

Mini Math  
assessment



Ranger in  
Time  
Chapter 1  
and draw on  
story board  
Main idea of  
Chapter

Ranger  
In Time  
Chapter 2 &  
draw on  
Story board

Ranger In  
Time  
Chapter  
3 & Story  
Board

Ranger  
Chapter 4  
And draw  
on story  
board

Ranger in  
Time:  
Finish 1-  
4 & Story  
Board

# DIGITAL LEARNING

Writing & Journal topics

PE

Science 20 mins

Social Studies

	monday	tuesday	wednesday	thursday	friday
Writing & Journal topics	Your favorite sport	Your favorite food	The Best day you had...	Science Plan for Tower building	Science Writing
PE	20	20	20	20	20
Science 20 mins	Crash Course Kids video # 38 online	Arctic in Danger Read and answer 9-11	Arctic in Danger Main Idea and details #12	Build a tower Cards, legos, etc	Build a tower= Finish
Social Studies	Science Quiz			State & capitals quiz online @Seterra.com	

# Multiplying Whole Numbers

1. Write the problem vertically
2. Multiply the ones digit of the bottom number by each of the digits in the top number, right to left
3. Bring down a zero and then multiply the tens digit of the bottom number by each digit in the top number, right to left
4. Bring down two zeros and repeat with the hundreds digit of the bottom number
5. Add up all of the products

ex:  $3,481 \times 142$

$$\begin{array}{r} \phantom{0}^1 \phantom{0}^2 \phantom{0}^3 \\ 3,481 \\ \times 142 \\ \hline 6962 \\ + 139240 \\ + 348100 \\ \hline \boxed{494,302} \end{array}$$

# Dividing Whole Numbers

1. Write out the long division problem with the first number (dividend) underneath the division symbol and the second number (divisor) to the left of the division symbol
2. Divide the divisor into the smallest part of the dividend it can go into and write the number of times it can go in on top of the division symbol
3. Multiply the number on top by the divisor and write the product under the number you divided into in step 2
4. Subtract your product from the number above it
5. Bring down the next digit of the dividend
6. Repeat steps 2-5 until there is nothing left to bring down.
7. If your last subtraction answer is not zero, write the remainder on top

ex:  $6,425 \div 21$

$$\begin{array}{r} \boxed{305 \text{ R } 20} \\ 21 \overline{) 6425} \\ \underline{-63} \phantom{0} \\ 12 \phantom{0} \\ \underline{-12} \phantom{0} \\ 0 \phantom{0} \\ \underline{-0} \phantom{0} \\ 25 \\ \underline{-21} \\ 4 \\ \underline{-4} \\ 0 \end{array}$$

(11)

# Multi-Digit Multiplication using Two methods

## AREA Model

$$65 \times 28$$

	60	5
20	$60 \times 20 = 1200$	$20 \times 5 = 100$
8	$60 \times 8 = 480$	$8 \times 5 = 40$

$$\begin{array}{r} 1200 \\ + 100 \\ \hline 1300 \end{array} + \begin{array}{r} 480 \\ + 40 \\ \hline 520 \end{array}$$

$$\begin{array}{r} 1300 \\ + 520 \\ \hline 1820 \end{array}$$

$$65 \times 28 = 1,820$$

## Standard Algorithm

$$65 \times 28$$

$$\begin{array}{r} \phantom{0} 65 \\ \times 28 \\ \hline 520 \\ + 1300 \\ \hline 1,820 \end{array}$$

$$65 \times 28 = 1,820$$

# 3 digit Multiplication with Two methods

## AREA MODEL

$$414 \times 325$$

	400	10	4	
300	$400 \times 300 =$ <u>120000</u>	$10 \times 300 =$ <u>3000</u>	$4 \times 300 =$ <u>1200</u>	= 124,200
20	$400 \times 20 =$ <u>8000</u>	$10 \times 20 =$ <u>200</u>	$4 \times 20 =$ <u>80</u>	= 8,280
5	$400 \times 5 =$ <u>2000</u>	$10 \times 5 =$ <u>50</u>	$4 \times 5 =$ <u>20</u>	= 2,070

$$\begin{array}{r}
 120000 \\
 3000 \\
 + 1200 \\
 \hline
 124,200
 \end{array}$$

$$\begin{array}{r}
 8000 \\
 200 \\
 + 80 \\
 \hline
 8,280
 \end{array}$$

$$\begin{array}{r}
 2000 \\
 50 \\
 + 20 \\
 \hline
 2,070
 \end{array}$$

$$\begin{array}{r}
 124,200 \\
 8,280 \\
 + 2,070 \\
 \hline
 134,550
 \end{array}$$

$$414 \times 325 = 134,550$$

Standard Algorithm ↓

Find each product. Show your work.

1. $238 \times 5$	2. $832 \times 156$	3. $4,899 \times 67$	4. $756 \times 300$
5. $19 \times 863$	6. $188 \times 732$	7. $3,249 \times 173$	8. $609 \times 840$

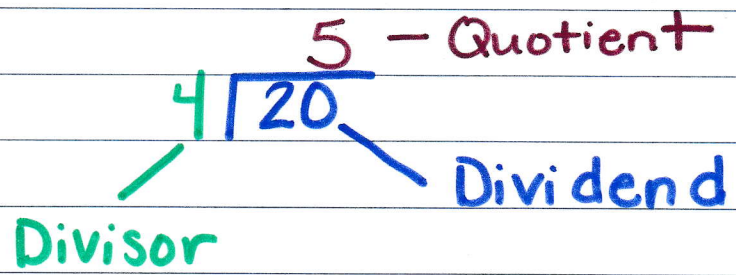
Find each quotient. Show your work.

9. $876 \div 2$	10. $9,473 \div 5$	11. $396 \div 24$	12. $8,911 \div 45$
13. $700 \div 12$	14. $1,065 \div 15$	15. $2,737 \div 305$	16. $4,516 \div 22$

Solve each problem, showing all work.

17. Mrs. Kleim bought 5 boxes of 15 pencils to give to her students. If she has 26 students in her class, how many pencils can she give each student? How many pencils will she have left over?	18. Sarah and her 3 friends split a bag of candy evenly. They each ate 13 pieces of candy and there were 2 pieces leftover. How many pieces of candy were originally in the bag?
---	--

# Divide Three- and Four Digit Dividends



Ex #1

Find  $852 \div 4$

(Standard Algorithm)

Step 1 = Divide the hundreds  
 Divide  $8 \div 4$   
 Multiply  $2 \times 4$   
 Subtract  $8 - 8 = 0$   
 Compare  $0 < 4$

$$\begin{array}{r}
 213 \\
 4 \overline{) 852} \\
 - 84 \downarrow \\
 \hline
 012 \\
 - 12 \\
 \hline
 00
 \end{array}$$

$$\begin{array}{r}
 213 \\
 4 \overline{) 852} \\
 - 8 \downarrow \\
 \hline
 05 \downarrow \\
 - 4 \\
 \hline
 12 \\
 - 12 \\
 \hline
 0
 \end{array}$$

Step 2: Divide the tens.  
 Divide  $5 \div 4$   
 Multiply  $1 \times 4$   
 Subtract  $5 - 4$   
 Compare  $1 < 4$

Step 3: Divide the Ones.  
 Divide  $12 \div 4$   
 Multiply  $3 \times 4$   
 Subtract  $12 - 12$   
 Compare  $0 < 4$



Ex#2

Find  $6 \overline{) 7,946.0}$

Step 1 - Divide thousands

$$\begin{array}{r} 19 \\ -18 \\ \hline 14 \end{array}$$

Step 2 - Divide hundreds

$$\begin{array}{r} 26 \\ -24 \\ \hline 20 \end{array}$$

Step 3 - Divide tens

$$\begin{array}{r} 20 \\ -18 \\ \hline 2 \end{array}$$

Answer = 1,324.3

OR

$1,324 \frac{2}{6} \div 2 = \frac{1}{3}$

$1,324 \frac{1}{3}$

Step 4 - Divide ones

Step 5 - Divide tenths

Area Model Method

	1	1	9
5	5	09	45
	-5	-5	45
	0	4	00

Name \_\_\_\_\_

Read the passage. Use the ask and answer questions strategy to check your understanding of new information or difficult facts.

### Building a Green Town

12 On May 4, 2007, a tornado demolished the town of Greensburg, Kansas.  
24 Nearly all the townspeople survived, but 95 percent of the town's buildings  
35 were destroyed. With their town gone, the residents of Greensburg might  
48 have given up and moved away. Instead, they chose to stay and rebuild.

61 Within days of the storm, the people of Greensburg chose not only to  
75 rebuild their town but to remake it. They resolved to reinvent their town so  
that it lived up to its name. They would make Greensburg a green town.

#### 89 What Does It Mean to Be Green?

96 Being green means being environmentally friendly. A person can  
105 be green by recycling or composting. A person can use energy-saving  
116 lightbulbs or public transportation. For a town, being green is more  
127 complicated. It means using efficient and renewable power sources. It  
137 means constructing buildings without harming the environment. It means  
146 making sure the buildings use energy efficiently. It means gathering and  
157 recycling everything from newspapers to rain water. It means making the  
168 town walkable to reduce the use of cars and buses.

178 Greensburg residents knew what they wanted to do, but they did not  
190 know how to do it. So they built a team. They brought in experts to guide  
206 and teach them. Together, the residents and the experts set goals for  
218 the new Greensburg and made a plan to reach those goals. They found  
231 private companies and government agencies to help them pay for the  
242 reconstruction. The greening of Greensburg began.

Name \_\_\_\_\_

### The Greening of Greensburg

The first step in rebuilding the town was to clean up the wreckage from the storm. Reducing waste is an important part of being green. The townspeople did not want simply to throw away the broken pieces of their old town. They saved and reused as much as they could. Fallen trees were used to make furniture. Bricks were collected and used to build city hall. Cabinets, farm tools, and metal were also reused.



Ocean/Corbis Royalty Free

A tornado similar to the one shown above forced the town of Greensburg to rebuild.

Next, the residents of Greensburg made a remarkable commitment: to use “100 percent renewable energy, 100 percent of the time.” This meant generating enough power for the whole town using natural resources such as the sun and wind year-round. To accomplish this, homes and public buildings were given geothermal heat pumps and solar panels. Geothermal pumps use heat from inside the earth. Solar panels turn sunlight into electricity or heat. The town partnered with an energy company to build a wind farm a few miles outside of town. Today, the wind farm provides more energy than the town uses. The “extra” energy is shared with other towns in Kansas.

In addition to using renewable energy, the town of Greensburg vowed to consume less energy overall. The new city buildings use 42 percent less energy than they had before the tornado. Greensburg’s new homes use 40 percent less energy. The new streetlights use special lamps that are 40 percent more efficient than the old ones.

The efforts of Greensburg’s residents worked. Their town is now a model sustainable community. It offers tours and information for people who want their towns to be more environmentally friendly. Greensburg is, as its citizens claim, “stronger, better, greener.”

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Name \_\_\_\_\_

**A. Reread the passage and answer the questions.**

**1. What are two key details in the first paragraph?**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**2. How are these details connected to the rest of the text?**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**3. What is the main idea of the third paragraph?**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**B. Work with a partner. Read the passage aloud. Pay attention to rate. Stop after one minute. Fill out the chart.**

	Words Read	-	Number of Errors	=	Words Correct Score
First Read		-		=	
Second Read		-		=	

Name \_\_\_\_\_

<i>portare</i> : to carry	<i>moliri</i> : to build	<i>sumere</i> : to take
<i>donare</i> : to present or give	<i>sol</i> : sun	<i>habitare</i> : to live or dwell

Use the Latin roots in the box above to identify the root in the underlined word below. Write the root on the line. Use context clues to determine the meaning of the word. Then write your own sentence using the word correctly.

1. On May 4, 2007, a tornado demolished the town of Greensburg, Kansas.  
 \_\_\_\_\_  
 \_\_\_\_\_
  
2. The inhabitants of Greensburg might have moved away.  
 \_\_\_\_\_  
 \_\_\_\_\_
  
3. A person can use energy-saving lightbulbs or public transportation.  
 \_\_\_\_\_  
 \_\_\_\_\_
  
4. Solar panels turn sunlight into electricity or heat.  
 \_\_\_\_\_  
 \_\_\_\_\_
  
5. The town of Greensburg vowed to consume less energy overall.  
 \_\_\_\_\_  
 \_\_\_\_\_
  
6. The residents of the town donated their time to help rebuild.  
 \_\_\_\_\_  
 \_\_\_\_\_

Name \_\_\_\_\_

**A. Read each word below. Use a slanted line (/) to divide the word into syllables.**

1. sample
2. cripple
3. tumble
4. gentle
5. purple

**B. Read the following sentences. Underline each word that has a consonant + /e syllable. Write the words on the lines and circle the letters that form the consonant + /e syllable.**

6. The rancher carried the saddle into the stable. \_\_\_\_\_
7. She placed the steaming kettle on the table. \_\_\_\_\_
8. Did the noble soldiers assemble at the armory? \_\_\_\_\_
9. The terrible storm caused the cattle stampede. \_\_\_\_\_
10. We saw an eagle, an otter, a beetle, and a snail. \_\_\_\_\_

Name \_\_\_\_\_

Day 1

Write one and two hundred fifty-three thousandths in standard form.

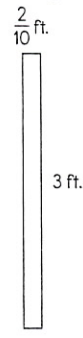
$94 \times 28 =$

Day 2

Write  $<$ ,  $>$ , or  $=$  to make the statement true.

1.165  $\bigcirc$  11.651

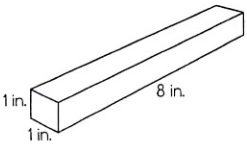
Find the area of the rectangle.



Day 3

Find the volume of the rectangular prism.

\_\_\_\_\_ cubic inches



Shelby's recipe says to add  $\frac{3}{4}$  cup of brown sugar and  $\frac{1}{8}$  cup of white sugar. How much sugar does Shelby's recipe call for altogether?

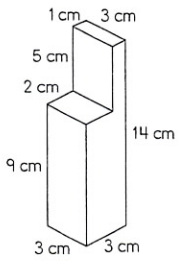
Of the shoes in Nina's closet,  $\frac{1}{2}$  are sandals. Of the sandals,  $\frac{1}{2}$  are brown. What fraction of Nina's shoes are brown sandals?

$2,050 \div 5 =$

Day 4

Round 84.066 to the nearest tenth.

What is the volume of this figure?



$\frac{6}{7} - \frac{5}{9} =$

$648 \times 0.85 =$

$\frac{1}{10} \div 3 =$

$\{[4 \times (2.1 + 3.9)] - 7\} + [6 \times (6.2 - 4.2)] =$

Norman is shipping 2 boxes. The first box weighs 4,180 grams, and the second box weighs 820 grams. If shipping costs \$6.43 per kilogram, how much does Norman spend on shipping?

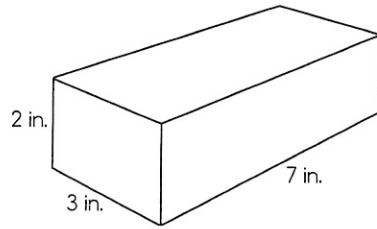
4 tenths = \_\_\_\_\_ hundredths

Name \_\_\_\_\_

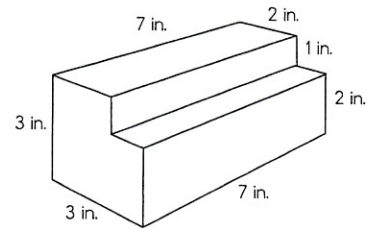
1.  $\frac{1}{3} \div 8 =$

2. Lucy bottled 47,000 milliliters of punch. If she sells 1-liter bottles for \$1.79, how much will she make if she sells all of her bottles of punch?

3. Find the volume of the rectangular prism. \_\_\_\_\_ cubic inches



4. What is the volume of this figure?



5.  $941 \times 0.39 =$

6. Write  $<$ ,  $>$ , or  $=$  to make the statement true.

$13.832 \bigcirc 13.382$

7. 50 hundredths = \_\_\_\_\_ thousandths

8.  $\{[9 \times (7.3 + 10.7)] - 5\} + [3 \times (7.8 - 6.8)] =$

9.  $71 \times 61 =$

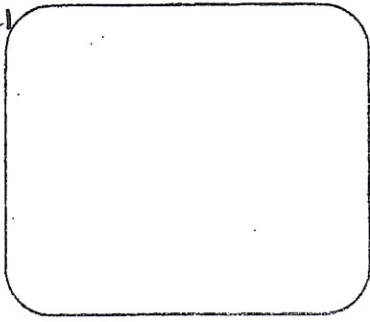
10. Ms. Ito's art class used  $\frac{2}{3}$  of a bottle of blue paint. If they used  $\frac{1}{4}$  as much red paint as blue paint, how many bottles of red paint did they use?



Create your own storyboard of "Ranger in Time"  
In each frame, draw a scene. Write a description of each scene below  
your drawings.



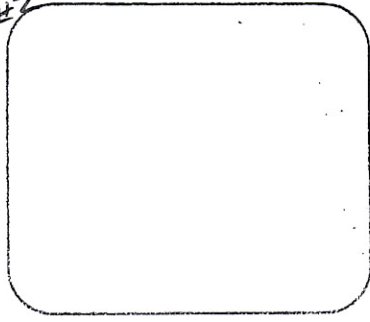
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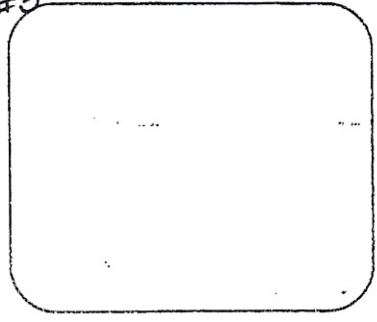
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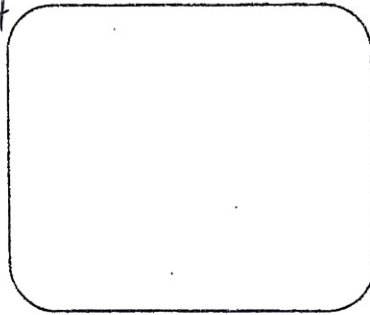
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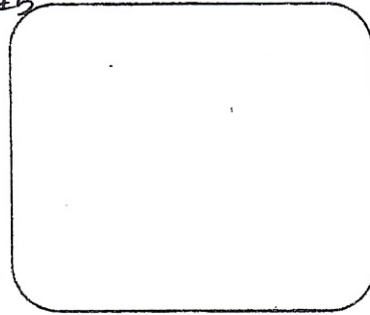
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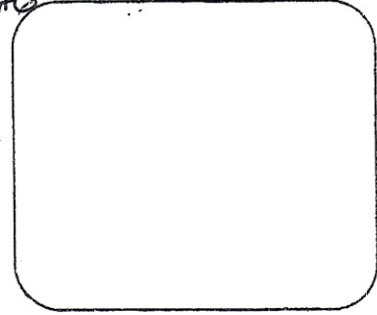
#5



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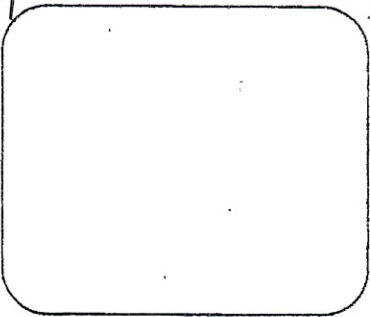
#6



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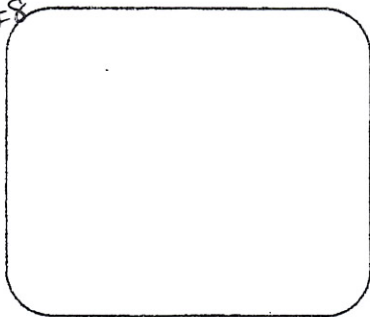
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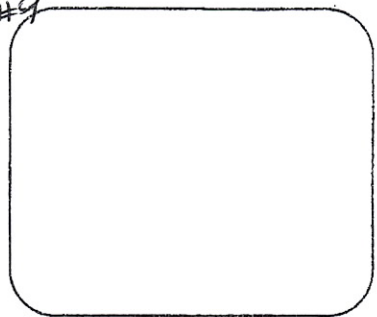
#8



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#9

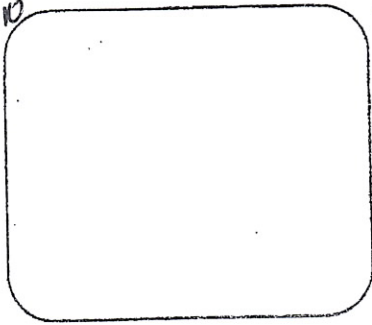


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Create your own storyboard of "Ranger in Time"  
In each frame, draw a scene. Write a description of each scene below  
your drawings.

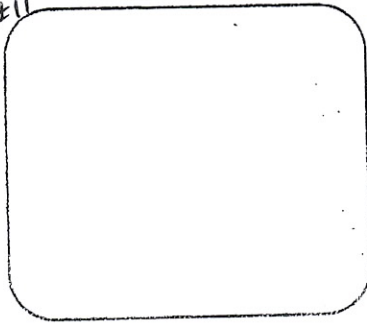
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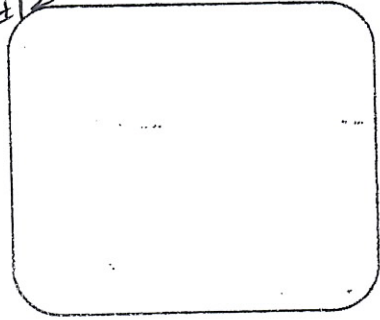
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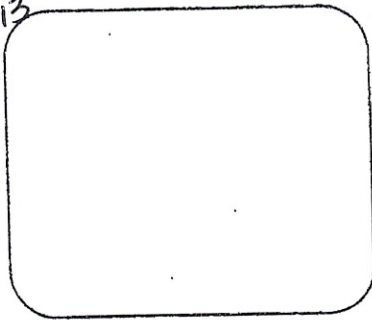
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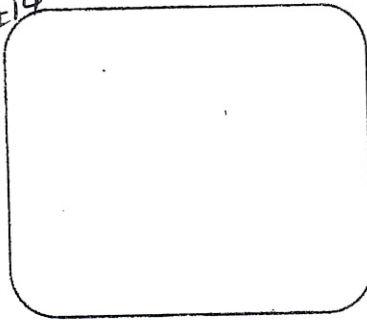
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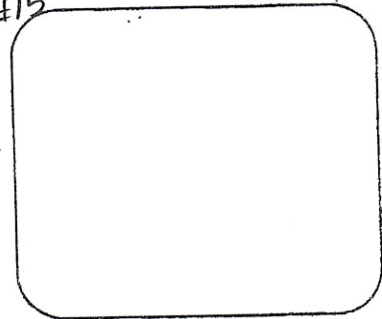
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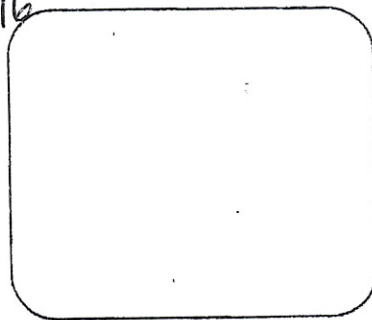
#15



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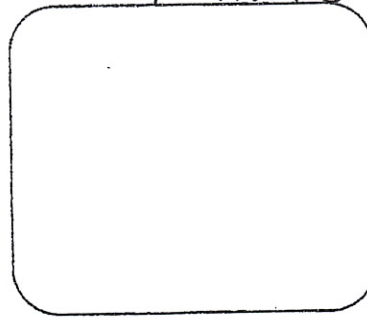
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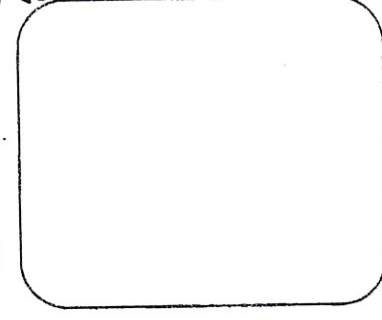
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Author's Notes:



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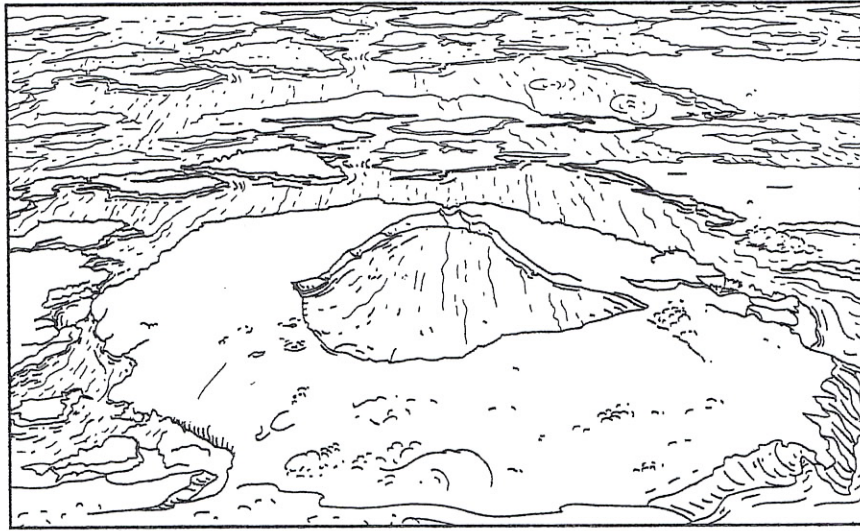
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Read the text "Arctic in Danger." Then answer Numbers 9 to 12.



## Arctic in Danger

In the highest latitude of the northern hemisphere lies the Arctic Ocean. For most of the year, the ocean is covered in ice. Polar bears, sea birds, and seals are some of the animals that make the sea ice their home, but their survival is in danger. In the summer, the ice slowly recedes so that there is less ice by the end of the summer. The amount of ice left at the end of the summer is reduced every year. This means less available habitat for polar bears and seals.

The Arctic ice is very important to the oceans of the world. The ice reflects heat. This keeps the Arctic Ocean temperatures lower than other oceans. The cold water of the Arctic Ocean helps to circulate the world's oceans. Changes to the circulation and temperature of the oceans affect worldwide climate and the ocean's inhabitants.

Recently, less ice has been accumulating in the Arctic Ocean due to warmer ocean temperatures. This pattern of warmer Arctic Ocean temperatures and decreased ice coverage is troubling. Moreover, the ice used to be more than seven feet thick. Now it's closer to three feet thick. This thinner ice is more likely to melt. Many scientists are concerned that before long, the Arctic might be ice-free in the warmer months.

The indigenous people who live in the Arctic region have noticed changes in more than just marine and land animal populations. Weather patterns fluctuate and have become unpredictable. The landscape changes regularly due to thawing ice and increased water levels. It is important that we do our best to save the Arctic ice.

GO ON →

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

Now answer Numbers 9 to 12. Use "Arctic in Danger" to answer the questions.

9 This question has two parts. First, answer part A. Then, answer part B.

Part A: Read the sentence from the text.

The indigenous people who live in the Arctic region have noticed changes in more than just marine and land animal populations. Weather patterns fluctuate and have become unpredictable. The landscape changes regularly due to thawing ice and increased water levels.

What does fluctuate mean in the sentence above?

- (A) fall
- (B) change
- (C) rise
- (D) continue

Part B: Which phrase in the sentence **best** helps to show the meaning of fluctuate?

- (A) noticed changes
- (B) weather patterns
- (C) become unpredictable
- (D) thawing ice

10 Read the sentence from the text.

Recently, less ice has been accumulating in the Arctic Ocean due to warmer ocean temperatures.

The Latin root of accumulate is *cumulus*, meaning "a pile" or "a heap." What does accumulating mean in the sentence above?

- (A) melting
- (B) moving
- (C) building up
- (D) freezing

11 Which **three** sentences from the text **best** support the author's point that the Arctic might be ice-free in the warmer months?

- (A) The ice reflects heat.
- (B) This thinner ice is more likely to melt.
- (C) Recently, less ice has been accumulating in the Arctic Ocean due to warmer ocean temperatures.
- (D) Moreover, the ice used to be more than seven feet thick. Now it's closer to three feet thick.
- (E) The indigenous people who live in the Arctic region have noticed changes in more than just marine and land animal populations.
- (F) The cold water of the Arctic Ocean helps to circulate the world's oceans.

12 Choose **one** sentence that states the main idea of the passage "Arctic in Danger." Then choose **two** sentences that support the main idea. Write the number of each sentence in the chart. Not all sentences will be used.

Main idea of "Arctic in Danger"	Supporting Details

Sentences:

- 1 - The cold water of the Arctic Ocean helps to circulate the world's oceans.
- 2 - The Arctic ice is important to the world and it is in danger.
- 3 - Recently, less ice has been accumulating in the Arctic Ocean due to warmer ocean temperatures.
- 4 - For most of the year, the water is covered in ice.



1. Name three natural resources: (how do humans use these resources?)

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2. Give an example of human impact that generated pollution. How can we conserve and protect this environment.

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3. The Earth has 99% salt water and only 1 % fresh water. How can we make sure there is enough fresh water for the future? Give an example and explain how it will help.

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