



A NETWORK *of* COLLEGE PREP ELEMENTARY SCHOOLS

Grade 7

Home Learning Packet

The contents of this packet contains 10 days of activities in paper copy. Students should be completing this packet, along with completing lessons on their math/reading *online* programs daily. If we surpass the 10 days without school, students should continue using their online math and reading programs for 45 minutes per day per program unless otherwise specified by your campus.

(Student Name)

LEARN Charter Schools Reading Log

Name: _____ Week Of: _____

Directions: Record the amount of time you read each day.

At home reading goal:

I will read at least 45 minutes at home five times a week.

[illegible]

Day	Date	Title	Genre	Page Started	Page Finished	Total Time

Weekly At-Home Reading Tally

Day	Number of Minutes
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
Total Minutes This Week	

Teacher Initials for Meeting Weekly Goal: _____

Your Weekly Goal is **225** minutes. Did you meet your goal? _____

Did you exceed your goal? _____

If yes, by how many minutes? _____

What is your favorite book you read this week? Why was it your favorite?

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LESSON 7

Understanding Addition with Negative Integers *continued*

► For problems 3–5, consider the sum $4 + (-8)$.

3 Explain how you can use a number line to find the sum.

4 Explain how you can use chips to determine the sum.

5 Does it matter what order you add the numbers in the problem? Explain how chips and number lines support your answer.

6 Write an addition expression that has a value of -8 .

Earthquakes: Movement of the Earth's Crust

Earthquakes are the shaking and moving of the ground when energy is released in waves. These waves are called seismic waves. These waves are similar to ocean waves, which move through water. Seismic waves, however, move through the ground.

Most earthquakes are caused by the movement of large sections of the Earth's crust, called plates. The place where two plates meet is called a fault. Faults look like large cracks in the ground. If the two plates move in different directions, they build up energy at the fault line. When enough energy builds up, the stress on the fault becomes too great and it ruptures. This releases the energy and the ground starts to shake.

Earthquakes can also be caused by other natural events, such as landslides and volcanoes. Man-made earthquakes happen because of nuclear testing and mining explosions.

The first movement of an earthquake, called the main shock, is often followed by smaller ground trembles, called aftershocks. These aftershocks are the plates settling into their new position. Aftershocks can continue for days after the main shock.

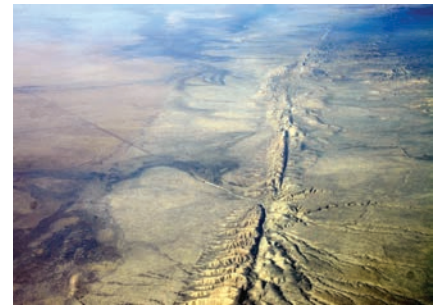
There are an estimated 500,000 earthquakes around the world each year. Most are so mild they are only recorded on scientific instruments. Only about 100,000 can be felt by humans. Of these, only about 19 a year cause major damage.

Major earthquakes in populated areas can cause huge destruction. Buildings collapse, roads and bridges buckle and crack, and electrical and gas lines break and cause fires. If the earthquake happens in the ocean, it makes a series of huge ocean waves called a tsunami. The tsunami travels until it finally reaches land, where it causes large flooding.

Scientists are searching for ways to predict earthquakes. They study the historical patterns of earthquakes and monitor the movement of the plates with seismic equipment. While they cannot predict an exact date of a future earthquake, they have a better understanding of when earthquakes are more likely to happen.



Earthquake damage in Washington in 2001



Aerial view of the San Andreas fault in California

Word Meanings

Circle the correct meaning for each of the following words from the passage.

1. ruptures

- a. joins
- b. forms a new plate
- c. breaks

2. destruction

- a. panic
- b. damage
- c. worry; concern

3. collapse

- a. fall down
- b. catch fire
- c. explode

4. predict

- a. prevent; stop
- b. know a future event
- c. study; examine

Day 1

Directions: Should cell phones be banned in schools? Write a persuasive essay in favor or against cell phones in school.

[illegible]

Current Events Log

Day 1

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Understanding Subtraction with Negative Integers

- 1 Mary takes 9 grapes from Rohin and then decides to give 4 back.

Write a subtraction problem to describe how many grapes Rohin has. _____

Draw a model for the subtraction problem using integer chips.

How many negative integer chips did you cross out? _____

Write the subtraction as addition. _____

Draw a model for the addition problem using integer chips.

How do the two integer chip models show that $-9 - (-4)$ is the same as $-9 + 4$?

What is the change in the number of grapes Rohin has? _____

Biography of Abraham Lincoln

Abraham Lincoln was born in 1809 in northern Kentucky. At the time of his birth, Kentucky was part of the western frontier of the U.S. His father was a farmer and at one point was relatively wealthy. However, when young Abraham was only 7 years old, his father lost his land. The family moved to Indiana, where his mother died when he was 9. When he was a young man, Abraham's family moved to Illinois.

Abraham had little formal education growing up. He loved to read, so he educated himself. In Illinois he studied law by reading law books. He became a lawyer in 1837 in Springfield, Illinois.

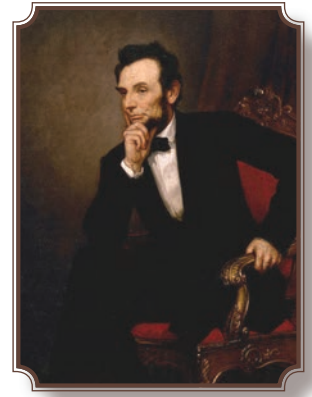
Lincoln's political career began early, and he served in the state legislature and in the U.S. House of Representatives. Lincoln was a gifted speaker. He won national attention for his speeches against slavery during several debates. This led to his nomination for the presidency, which he won in 1860.

President Lincoln's election angered the Southern states and seven of them announced they would leave the U.S. and form their own government. In 1861, South Carolina troops fired artillery at Fort Sumter, a U.S. military fort. This began the Civil War. The war would be the central feature of Lincoln's presidency.

Lincoln's goal through the war was to reunite the North, known as the Union, with the South, known as the Confederacy. As commander in chief, he selected the Union generals to lead the Army. He issued the Emancipation Proclamation in 1863, which signaled freedom for the slaves.

Lincoln was reelected in 1864. After four long years, the Union won the Civil War in April 1865. Lincoln's goal to reunite the country had come true, but he would not live to see it. Just six days after the end of the war, on April 15, 1865, President Lincoln was killed by John Wilkes Booth. He was the first American president to be assassinated.

Abraham Lincoln is considered one of the greatest American presidents. He calmly lead the country through the most difficult time in its history, the Civil War. He is remembered today for his wisdom, his compassion and his patriotism.



*Painting of
Abraham Lincoln*



*A 1864 photograph
of President Lincoln*

Summarize It

Briefly summarize President Lincoln's life.

Day 2

Directions: Describe one time when you were brave using the lines below.

[illegible]

Current Events Log

Day 2

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Multiplying Negative Rational Numbers

- Find the product of the rational numbers. The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $2 \times -\frac{7}{4}$

2 $-\frac{1}{3} \times -\frac{6}{5}$

3 $\frac{2}{5} \times -\frac{3}{4}$

4 $-2\frac{1}{3} \times \frac{5}{4}$

5 $-\frac{3}{7} \times -1\frac{2}{3}$

6 $-3\frac{5}{7} \times -2\frac{1}{2}$

7 $0.75 \times -\frac{4}{3}$

8 $-0.2 \times -\frac{2}{5}$

9 $-0.35 \times -1\frac{3}{7}$

10 $2.5 \times -3\frac{4}{5}$

11 0.2×-0.45

12 -0.25×-1.4

13 -2.3×6.8

14 $-3.9 \times 5\frac{5}{9}$

15 $-4.2 \times -6\frac{2}{7}$

Answers

$-21\frac{2}{3}$

-15.64

$-9\frac{1}{2}$

$-3\frac{1}{2}$

$-2\frac{11}{12}$

-1

$-\frac{3}{10}$

-0.09

$\frac{2}{25}$

0.35

$\frac{2}{5}$

$\frac{1}{2}$

$\frac{5}{7}$

$9\frac{2}{7}$

$26\frac{2}{5}$

Oliver Twist

Name: _____

by Charles Dickens

Oliver Twist, published in 1837, is one of Charles Dickens' most famous works. It tells the tale of an orphan boy, Oliver Twist, who grows up in poverty in England. In this passage from Chapter II, Oliver is 9 years old and living in a government workhouse. The officials of the workhouse choose to feed the residents very little.

Boys have generally excellent appetites. Oliver Twist and his companions suffered the tortures of slow starvation for three months: at last they got so voracious and wild with hunger, that one boy, who was tall for his age, and hadn't been used to that sort of thing (for his father had kept a small cook-shop), hinted darkly to his companions, that unless he had another basin of gruel per diem, he was afraid he might some night happen to eat the boy who slept next him, who happened to be a weakly youth of tender age. He had a wild, hungry eye; and they implicitly believed him. A council was held; lots were cast who should walk up to the master after supper that evening, and ask for more; and it fell to Oliver Twist.

The evening arrived; the boys took their places. The master, in his cook's uniform, stationed himself at the copper; his pauper assistants ranged themselves behind him; the gruel was served out; and a long grace was said over the short commons. The gruel disappeared; the boys whispered each other, and winked at Oliver; while his next neighbors nudged him. Child as he was, he was desperate with hunger, and reckless with misery. He rose from the table; and advancing to the master, basin and spoon in hand, said: somewhat alarmed at his own temerity:

'Please, sir, I want some more.'

The master was a fat, healthy man; but he turned very pale. He gazed in stupefied astonishment on the small rebel for some seconds, and then clung for support to the copper. The assistants were paralysed with wonder; the boys with fear.

'What!' said the master at length, in a faint voice.

'Please, sir,' replied Oliver, 'I want some more.'

The master aimed a blow at Oliver's head with the ladle; pinioned him in his arm; and shrieked aloud for the beadle.



Illustration of Oliver asking for more food, from the first publication of Oliver Twist.

Summarize It

Write a short summary of the passage.

Day 3

Directions: Imagine you opened your own restaurant. Tell the name of your restaurant. Explain what the restaurant looks like, who works there, and what you serve using the lines below.

[illegible]

Current Events Log

Day 3

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Dividing Negative Rational Numbers

► Find each quotient.

1 $-5 \div \frac{5}{7}$

2 $-\frac{8}{9} \div \frac{2}{3}$

3 $\frac{3}{10} \div -\frac{6}{7}$

4 $-2\frac{3}{4} \div 11$

5 $-4\frac{2}{7} \div -\frac{15}{16}$

6 $-1\frac{4}{7} \div -3\frac{2}{3}$

7 $-8 \div 6.4$

8 $-\frac{3}{2} \div 0.5$

9 $-3\frac{1}{3} \div 1.2$

10 $9.28 \div -3.2$

11 $0.056 \div -0.004$

12 $-0.28 \div 0.07$

13 Explain the steps you used to solve problem 11.



COYOTE:

the Survivor of North America

The coyote is a relative of the dog, wolf and jackal. Like its relatives, it is a predator and mostly eats other mammals. It will, however, eat a wide variety of foods, including insects, fruits and vegetables.

Coyotes are found throughout most of North America, from Mexico and Central America to Canada and Alaska. The color of its coat depends on where it lives. Mountain coyotes are darker than those living in the desert.

Like the wolf, coyotes live in groups, or packs. The pack is usually smaller in number than a wolf pack. All members of the pack are usually related. The pack will often divide into pairs to hunt.

Female coyotes have a litter of pups once a year. A litter has an average of six pups. Over half of the pups will die before they reach adulthood. Male pups usually leave the pack to find their own territory. Female pups stay with the parent's pack.

Wolves and coyotes compete for the same prey animals. Since the coyote is smaller than the wolf, wolves will usually drive the coyote out of any shared territory.

The coyote adapts easily to new areas. Unlike the buffalo or wolf, the coyote's range increased after human populations expanded across the continent. For example, the coyote was not native to New England. Once the New England settlers eliminated wolves, however, the coyote moved in. Scientists who have studied the coyote believe it is better than the wolf at living in human areas.

Coyotes are now found in most large urban areas. They find an abundant supply of food in these areas, since coyotes are willing to eat garbage, rodents and even small pets, such as cats. Scientists estimate that as many as 2,000 coyotes may be living in the Chicago area.

Because of its adaptability, the coyote is not an endangered species, or even a threatened species. It has been classified as "least concern," which means it has the lowest risk of extinction.



The coyote communicates with other coyotes by howling or yipping.



A very young coyote pup

Cite the Source

Find two examples from the text that support the idea that the coyote adapts to survive.

1. _____

2. _____

Day 4

Directions: Write a descriptive essay about a fun fact many people don't know about you using the lines below.

[illegible]

Current Events Log

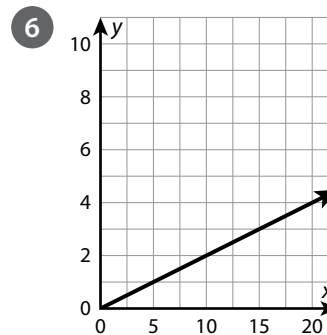
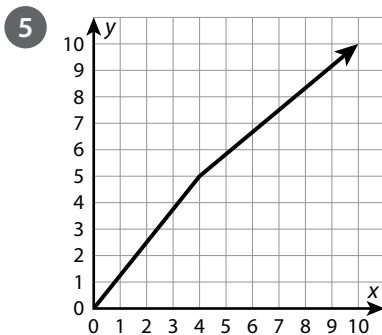
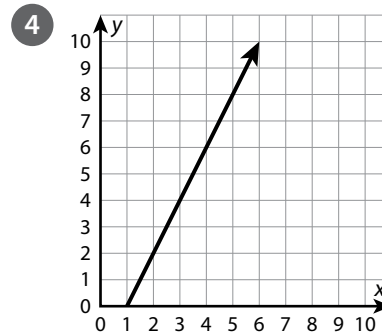
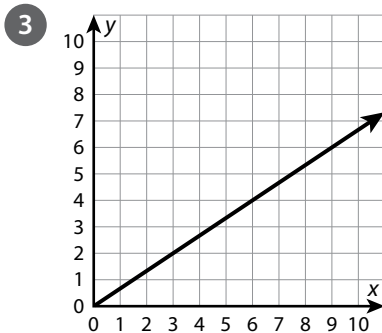
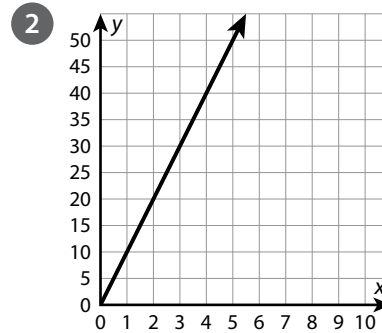
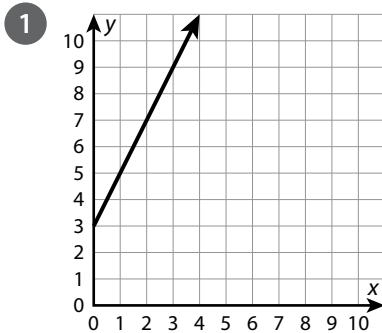
Day 4

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Recognizing Graphs of Proportional Relationships

- Circle all the problems with graphs that do NOT represent a proportional relationship. For the problems that are circled, explain why the graphs do not represent a proportional relationship.



Name: _____

Anne of Avonlea

by Lucy Maud Montgomery

This sequel to Anne of Green Gables follows Anne Shirley, a young Canadian orphan. Anne was sent to live with the Cuthberts, a brother and sister who have a farm on Prince Edward Island, Canada. In Anne of Avonlea, written in 1909, Anne is 16 years old and is going to teach school for the first time in the town of Avonlea.

Chapter V. Full-fledged Schoolma'am

When Anne reached the school that morning . . . for the first time in her life she had traversed the Birch Path deaf and blind to its beauties . . . all was quiet and still. The preceding teacher had trained the children to be in their places at her arrival, and when Anne entered the schoolroom she was confronted by prim rows of “shining morning faces” and bright, inquisitive eyes. She hung up her hat and faced her pupils, hoping that she did not look as frightened and foolish as she felt and that they would not perceive how she was trembling.



She had sat up until nearly twelve the preceding night composing a speech she meant to make to her pupils upon opening the school. She had revised and improved it painstakingly, and then she had learned it off by heart. It was a very good speech and had some very fine ideas in it, especially about mutual help and earnest striving after knowledge. The only trouble was that she could not now remember a word of it.

After what seemed to her a year . . . about ten seconds in reality . . . she said faintly, “Take your Testaments, please,” and sank breathlessly into her chair under cover of the rustle and clatter of desk lids that followed. While the children read their verses Anne marshalled her shaky wits into order and looked over the array of little pilgrims to the Grownup Land.

What Is It?

List three examples from the passage that show Anne is nervous on her first day of teaching school.

1. _____

2. _____

3. _____

Day 5

Directions: Write a short story about you and a friend using the lines below.

[illegible]

Current Events Log

Day 5

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Solving Multi-Step Ratio Problems

► Solve each problem.

- 1 At The Green House of Salad, you get a \$1 coupon for every 3 salads you buy. What is the least number of salads you could buy to get \$10 in coupons?

- 2 Kim orders catering from Midtown Diner for \$35. She spends \$5 on a large order of potato salad and the rest on turkey sandwiches. Each sandwich is \$2.50. How many sandwiches does Kim buy?

- 3 Molly and Liza are exercising. Molly does 10 push-ups at the same time as Liza does 15 push-ups. When Molly does 40 push-ups, how many push-ups does Liza do?

- 4 A shark swims at a speed of 25 miles per hour. The shark rests after 40 miles. How long, in minutes, does the shark swim before resting?

- 5 Ali and Janet are selling gifts at a local craft show. For every bar of soap that Ali sells, she earns \$5. For every mug that Janet sells, she earns twice as much as Ali. Ali sells 5 bars of soap, and Janet sells 7 mugs. How much money did they make altogether?

- 6 Ted is making trail mix for a party. He mixes $1\frac{1}{2}$ cups of nuts, $\frac{1}{4}$ cup of raisins, and $\frac{1}{4}$ cup of pretzels. How many cups of pretzels does Ted need to make 15 cups of trail mix?

- 7 The ratio of chaperones to students on a field trip is 2 : 7. There are 14 chaperones on the field trip. In all, how many chaperones and students are there?

- 8 Dayren is driving to visit family. She drives at an average of 65 miles per hour. She drives 227.5 miles before lunch and then 97.5 miles after lunch. How many hours did she spend driving?

Jabberwocky

from Through the Looking Glass
by Lewis Carroll

In this sequel to Alice's Adventures in Wonderland, Lewis Carroll writes one of the most famous nonsense poems in literature. Many of the words were invented by Carroll and have no real meaning. Nevertheless, readers can still understand what happens in the poem.

'Twas brillig, and the slithy toves
Did gyre and gimble in the wabe;
All mimsy were the borogoves,
And the mome raths outgrabe.

'Beware the Jabberwock, my son!
The jaws that bite, the claws that catch!
Beware the Jubjub bird, and shun
The frumious Bandersnatch!

He took his vorpal sword in hand:
Long time the manxome foe he sought—
So rested he by the Tumtum tree,
And stood awhile in thought.

And as in uffish thought he stood,
The Jabberwock, with eyes of flame,
Came whiffing through the tulgey wood,
And burbled as it came!

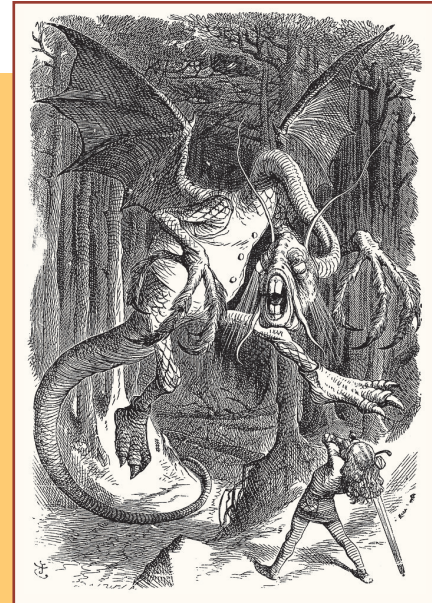
One, two! One, two! And through and through
The vorpal blade went snicker-snack!
He left it dead, and with its head
He went galumphing back.

'And hast thou slain the Jabberwock?
Come to my arms, my beamish boy!
O frabjous day! Callooh! Callay!
He chortled in his joy.

'Twas brillig, and the slithy toves
Did gyre and gimble in the wabe;
All mimsy were the borogoves,
And the mome raths outgrabe.

Day 6

Name: _____



What Is It?

Determine if each of the following nonsense words from the poem is a noun, verb, adjective or adverb. Circle the correct letter.

1. frumious

a. noun b. verb c. adjective d. adverb

2. galumphing

a. noun b. verb c. adjective d. adverb

3. wabe

a. noun b. verb c. adjective d. adverb

4. toves

a. noun b. verb c. adjective d. adverb

5. gyre

a. noun b. verb c. adjective d. adverb

6. beamish

a. noun b. verb c. adjective d. adverb

3. borogoves

a. noun b. verb c. adjective d. adverb

3. whiffing

a. noun b. verb c. adjective d. adverb

Day 6

Directions: Write a poem in the lines below using the word *happy* at least once.

[illegible]

Current Events Log

Day 6

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Solving Problems Involving Multiple Percents

► **Solve each problem.**

- 1 A chair's regular price is \$349. It is on clearance for 30% off, and a customer uses a 15% off coupon after that. What is the final cost of the chair before sales tax?

- 2 A calculator is listed for \$110 and is on clearance for 35% off. Sales tax is 7%. What is the cost of the calculator?

- 3 Cara started working for \$9 per hour. She earns a 4% raise every year. What is her hourly wage after three years?

- 4 A factory manufactures a metal piece in 32 minutes. New technology allowed the factory to cut that time by 8%. Then another improvement cut the time by 5%. How long does it take to manufacture the piece now? Round your answer to the nearest minute.

- 5 An apartment costs \$875 per month to rent. The owner raises the price by 20% and then gives a discount of 8% to renters who sign an 18-month lease. How much less do renters who sign an 18-month lease pay per month to rent the apartment?

Day 7

Name: _____

The Road Not Taken

by Robert Frost

Two roads diverged in a yellow wood,
And sorry I could not travel both
And be one traveler, long I stood
And looked down one as far as I could
To where it bent in the undergrowth;

And both that morning equally lay
In leaves no step had trodden black.
Oh, I kept the first for another day!
Yet knowing how way leads on to way,
I doubted if I should ever come back.

Then took the other, as just as fair,
And having perhaps the better claim,
Because it was grassy and wanted wear;
Though as for that the passing there
Had worn them really about the same,

I shall be telling this with a sigh
Somewhere ages and ages hence:
Two roads diverged in a wood, and I—
I took the one less traveled by,
And that has made all the difference.

Figuratively Speaking

The poem's literal meaning is about a person who has a choice between two roads and decides to take the road that has been used less. Write a short paragraph about the figurative meaning of the poem.

Directions: According to Facebook's terms of service, you need to be at least 13 years-old to have a Facebook or Instagram account. Do you think this is a fair rule? Write a persuasive essay in the lines below.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Day 7

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Solving Problems Involving Percent Change

- Find the percent change and tell whether it is a percent increase or a percent decrease.

1 Original amount: 20
End amount: 15

2 Original amount: 30
End amount: 45

3 Original amount: 625
End amount: 550

4 Original amount: 320
End amount: 112

5 Original amount: 165
End amount: 222.75

6 Original amount: 326
End amount: 423.80

7 Original amount: 27
End amount: 38.61

8 Original amount: 60
End amount: 70.02

9 How do you know when a situation involves a percent increase or a percent decrease?

The Prince and the Pauper

by Mark Twain

The Prince and the Pauper was published in 1881. Twain's novel is the story of Edward, Prince of Wales, and Tom Cauty, a poor boy in London. The boys look very much alike. They meet by accident and end up trading clothes and lives. This passage tells of Tom's life and his desire to be a prince, even before he meets Edward.



Chapter II. Tom's Early Life

One January day, on his usual begging tour, he tramped despondently up and down the region round about Mincing Lane and Little East Cheap, hour after hour, bare-footed and cold, looking in at cook-shop windows and longing for the dreadful pork-pies and other deadly inventions displayed there—for to him these were dainties fit for the angels; that is, judging by the smell, they were—for it had never been his good luck to own and eat one. There was a cold drizzle of rain; the atmosphere was murky; it was a melancholy day. At night Tom reached home so wet and tired and hungry that it was not possible for his father and grandmother to observe his forlorn condition and not be moved—after their fashion; wherefore they gave him a brisk cuffing at once and sent him to bed. For a long time his pain and hunger, and the swearing and fighting going on in the building, kept him awake; but at last his thoughts drifted away

to far, romantic lands, and he fell asleep in the company of jewelled and gilded princelings who live in vast palaces, and had servants salaaming before them or flying to execute their orders. And then, as usual, he dreamed that HE was a princeling himself.

All night long the glories of his royal estate shone upon him; he moved among great lords and ladies, in a blaze of light, breathing perfumes, drinking in delicious music, and answering the reverent obeisances of the glittering throng as it parted to make way for him, with here a smile, and there a nod of his princely head.

And when he awoke in the morning and looked upon the wretchedness about him, his dream had had its usual effect—it had intensified the sordidness of his surroundings a thousandfold. Then came bitterness, and heart-break, and tears.

Comparing the Settings

Write a paragraph comparing the setting of Tom's real life with the setting in his dream. Use quotations from the text to show how they are different.

Day 8

Directions: Create a story about a girl or boy who goes on a trip. Use the lines below.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Current Events Log

Day 8

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Expanding Expressions

► Expand each expression and combine like terms if possible.

1 $4(x - 2)$

2 $-3(x + 7)$

3 $-4(-x - 8)$

4 $\frac{1}{3}(x - 9)$

5 $-\frac{1}{4}(x + 16)$

6 $-\frac{1}{5}(-x - 35)$

7 $\frac{2}{3}(x + 18 - 2x)$

8 $\frac{3}{4}(16x - 27 - 1)$

9 $-12\left(\frac{5}{6}x - 5\right) + 2x$

► Determine which expressions, if any, are equivalent. Show your work.

10 $4(x - 3)$

$6x - 2(x - 3)$

$x + 3(x - 2) - 6$

The Grand Canyon

The Grand Canyon is a large river canyon in Arizona. It is over 220 miles long and over a mile deep in some places. Its widest point is 18 miles wide. The canyon is considered one of the Seven Natural Wonders of the World.

Over millions of years, the Colorado River wore away rocks as it passed through the area. Slowly, the river made the path deeper and deeper. Now, the canyon is surrounded by steep walls on either side, while the river continues to flow at the bottom of the canyon.

Besides its large size, the Grand Canyon is also known for its magnificent colors. The canyon is made of layers of rock, and each layer of rock has a different depth and color. Geologists have identified almost 40 different layers of rock exposed by the river's erosion.



Aerial view of the Grand Canyon



The Colorado River formed the Grand Canyon.

The climate in canyon area is primarily desert, with both high and low temperatures. The upper rims of the canyon often receive snowfall. The air quality is usually very high, although dust storms and smoke from fires can change the air.

The Grand Canyon is home to variety of plants and animals. Plants range from various species of cactus to pine forests. Many types of animals live in the area, including the bald eagle, bobcats, bats and gila monsters. Six different kinds of rattlesnakes have been identified in the area.

Native Americans have inhabited the area for around 3,000 years. Spanish conquistadors first explored the area in 1540. Later, Spanish priests and explorers returned in 1776. However, they did not stay, as they found the canyon impassable.

Arizona became part of the United States in 1848, and the first geological studies were completed on the Grand Canyon in 1856. Today, the canyon is part of the Grand Canyon National Park. About five million tourists visit the park each year.

What Does It Mean?

Circle the correct meaning for each of the following words from the passage.

1. geologists

- a. scientists who study the physical properties of the earth
- b. scientists who study plants and animals in Arizona
- c. scientists who study numbers

2. various

- a. desert
- b. different kinds
- c. rare; unusual

3. impassable

- a. unable to cross
- b. far from civilization
- c. haunted

4. erosion

- a. the act of drying up or evaporating
- b. change of direction
- c. the act of wearing away or grinding down

Day 9

Directions: What is your dream job as an adult? Describe what you need to do to achieve your goal using the lines below.

[illegible]

Current Events Log

Day 9

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Writing and Solving Equations with Two or More Addends

- Solve each equation. The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $8x + 15 = 63$

2 $9x - 13 = 23$

3 $135 = 2x + 25$

4 $33 = 32x - 31$

5 $12x - 16 = 68$

6 $7x + 115 = 136$

7 $82 = 4x + 14$

8 $2x - 56 = 34$

9 $3x - 4\frac{1}{2} = -19\frac{1}{2}$

10 $10 = -\frac{1}{4}x + 12$

11 $6x + 4.59 = 11.19$

12 $25.68 = 2x - 6.32$

Answers

$x = 1.1$

$x = 45$

$x = -5$

$x = 6$

$x = 7$

$x = 16$

$x = 4$

$x = 55$

$x = 17$

$x = 8$

$x = 2$

$x = 3$

The Attack on Pearl Harbor



View of the attack on Pearl Harbor from a Japanese aircraft. The row of ships in the bottom center was called "Battleship Row." In this picture, some of the ships have already been hit by torpedoes and are beginning to sink. The lines in the water show the torpedo's path. The smoke in the background is from another ship that has been hit.

A Japanese bomber as it arrives at Pearl Harbor



The USS West Virginia (left) as it sinks after being bombed. The USS Tennessee burns behind it.

In 1941, many countries of the world were at war. In Europe, Germany and Italy were fighting together to expand their territories. Germany had already taken over many countries, including the Netherlands, Poland, Denmark and France. Germany had also been bombing Great Britain. The war in Europe had spilled into Africa, with German and Italian troops fighting British troops in North Africa.

Japan joined an alliance with Germany and Italy. This alliance was called the Axis. Japan wanted to take control of Southeast Asia and the South Pacific.

The U.S. had not joined the fighting, although it had loaned ships and supplies to Great Britain. Many Americans wanted to join the war to stop the Axis from taking over Europe and Asia. Other Americans were against joining in a far away war that did not concern the U.S. President Franklin Roosevelt wanted to discourage Japan from invading countries in Asia. In early 1941, he moved the U.S. warships in the Pacific from San Diego, California to Pearl Harbor in Honolulu, Hawaii.

Japan needed oil. The Dutch East Indies, which is now Indonesia, had a large supply of oil. The Japanese government decided to invade the Dutch East Indies in order to have an oil supply. They also developed a plan to keep the U.S. from interfering with the invasion.

On Sunday, December 7, 1941, over 350 Japanese war planes from six aircraft carriers began bombing the U.S. ships at Pearl Harbor. The surprise attack began at 7:48 a.m. The attack was over in 90 minutes. Eight U.S. battleships had been damaged. Four of the battleships had been sunk. Eleven other ships, including cruisers and destroyers had been sunk or damaged, and 300 U.S. planes had been destroyed or damaged. Over 2,400 U.S. military personnel had been killed, mostly on the *USS Arizona*, and 1,282 had been injured.

Congress declared war on Japan on December 8 and on Germany and Italy on December 11. The U.S. had entered World War II. In 1945, the U.S., Great Britain and their allies won the war against Japan, Germany and Italy.

What Do You Think?

Americans were very angry when Japan attacked Pearl Harbor. How do you think the attack changed the minds of those who had not wanted to go to war?

Day 10

Directions: Using the lines below, reflect on your experience staying home from school for two weeks.

[illegible]

Current Events Log

Day 10

On the lines below, write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show. Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]