

LEARN

A NETWORK *of* COLLEGE PREP ELEMENTARY SCHOOLS

Grade 4

Home Learning Packet

The contents of this packet contain 10 days of activities in paper copy. Students should be complete this packet, along with the lessons through their math/reading *online* programs daily. If students complete the packet before our next round, they should continue using their online math and reading programs for 45 minutes per day per program unless otherwise specified by your campus.

Chicago Public Library Access

**Chicago residents only*

Don't Have a Chicago Public Library Card <i>* Children under 14 must have a guardian apply with them</i>	Already have a Chicago Public Library card
1.) Apply for an eCard at https://tinyurl.com/LEARNCPCLcard 2.) Access eBooks, audible books, and other online resources 3.) Check out other resources at https://chipublib.overdrive.com/	1.) Go to: https://www.chipublib.org/ 2.) Select: "Browse" 3.) Choose "eBooks" under "By Format" 4.) Check out other resources at https://chipublib.overdrive.com/

North Chicago Public Library Access

** Public Library Access for all Users*

<http://www.ncplibrary.org/>

Select: Kid's Corner

Select: TumbleBook Library

(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?

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?

Fill in the missing numbers from these sums.

① 10 less than 2609 = _____

② 1000 more than 7890 = _____

③ $3678 - \underline{\hspace{2cm}} = 2678$

④ 100 less than 6088 = _____

⑤ $5601 - \underline{\hspace{2cm}} = 5591$

⑥ 1 more than 3999 = _____

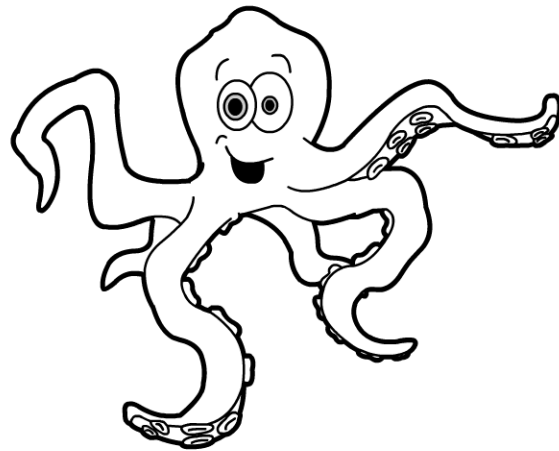
⑦ 1 less than 3672 = _____

⑧ $9817 - \underline{\hspace{2cm}} = 9807$

⑨ $2119 - \underline{\hspace{2cm}} = 2019$

⑩ $8062 - 100 = \underline{\hspace{2cm}}$

⑪ $7201 - 100 = \underline{\hspace{2cm}}$



Look at the number 4017.

Ⓐ Add 10 more = _____

Ⓑ What is 10 less? = _____

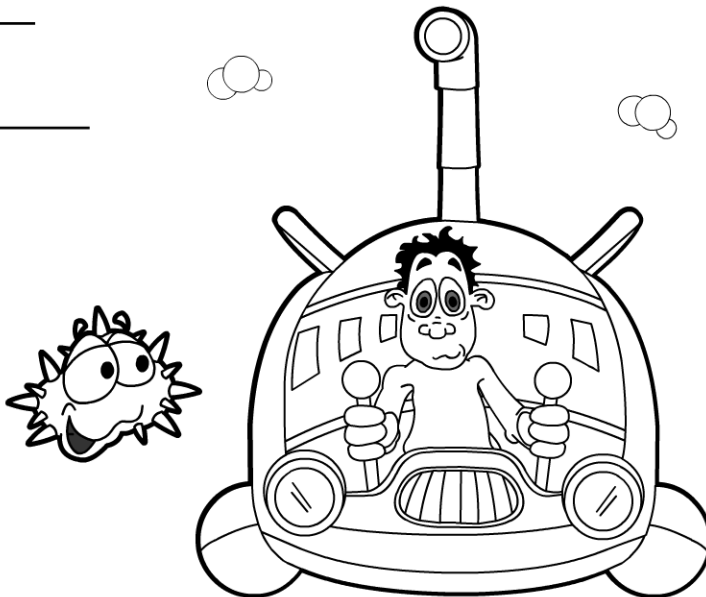
Ⓒ 1000 less = _____

Ⓓ 100 more = _____

Ⓔ 1 less = _____

Ⓕ 100 less = _____

Ⓖ 1000 more = _____



Day 1



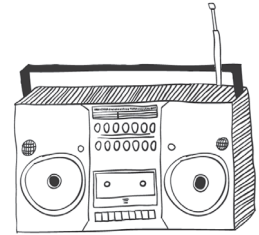
Worksheet A

Hit and Miss

Name _____ Date _____

1 Color the correct word in the brackets.

- He (**bold bowled**) the cricket ball at the stumps.
- The toy is made of painted (**metal medal**).
- We listened to the news on the (**radar radio**).
- Our city (**counsel council**) is building a new art gallery.
- Everyone came to the picnic (**except expect**) Pamela.



2 Write sentences to show the different meanings of these words.

dessert: _____

desert: _____

3 Write the irregular past tense of these verbs. Example: fly → flew.

Today I...

wear

lose

blow

sell

feel

Yesterday I...



4 Answer the questions.

- Would you play in a **teem** or a **team**?
- Would you eat a **snake** or a **snack**?
- Does a flag fly on a **pole** or a **poll**?
- Does an **angle** or an **angel** have wings?
- Do you eat ice cream in a **cone** or a **comb**?



Spelling Challenge

Unscramble the letters to spell five WILD ANIMALS.

nilo

gteir

nethpra

lwfo

bzare

Day 1



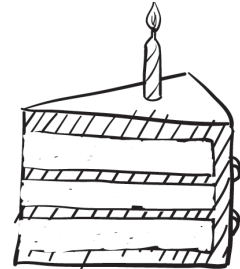
Worksheet B

Hit and Miss

Name _____ Date _____

1 Spell the missing words.

- The knight fought the dragon with his **s** _____.
- I had a glass of milk and a **p** _____ of cake.
- He can hold his **b** _____ for two minutes underwater.
- There is a parking lot 500 **m** _____ ahead.
- Several **w** _____ wore dresses and carried handbags.



2 Write meanings for these common expressions.

at a loose end: _____

feeling blue: _____

frighten off: _____

phase in: _____

comb the area: _____

3 Add the missing letters.

- He did **w** ____ **n** us about the approaching storm. (**ar** or **or**)
- He doesn't **s** ____ **m** to be tired after his long run. (**ee** or **ea**)
- Milk and cream are **d** ____ **ry** products. (**ia** or **ai**)
- The **ma** ____ **or** of the city led the grand parade. (**j** or **y**)
- There was a **min** ____ **r** accident at the street corner. (**o** or **e**)

4 Sort the following words under the correct heading.

woman	snake	mayor	oar	fowl	sword	radio	miner	raven
-------	-------	-------	-----	------	-------	-------	-------	-------

Animal

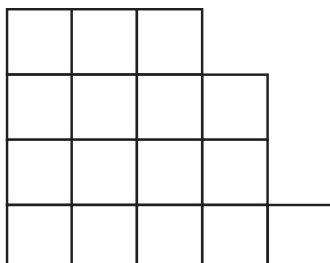
Person

Thing



Spelling Challenge

Use the letters in this word to make new words.



c o m f o r t a b l e

Score five points for each correct word.

My score:

Current Events Log

Day 1

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Day 1

Directions: Think about one of your favorite holiday-related memories. Write an essay describing it and tell why it is so unforgettable.

[illegible]

Use a written method to solve the division questions.

1 $484 \div 4 =$

2 $624 \div 3 =$



Klara has some orders to make at the pet shop.
Help her by solving these problems.

(a)

There are 852 bags of rabbit food to be delivered to 4 stores. Each store will get the same number of bags. How many bags will Klara's store receive?

(b)

There are 721 hamster cages that need to be shared equally between 7 stores. How many will each store receive?

(c)

There are 635 cans of dog food to be placed on 5 shelves. Each shelf will hold the same number of cans. How many cans will go on each shelf?



Name: _____

Punctuation

Read each sentence below. Decide which kind of punctuation mark is missing and should be used. Circle the correct choice.

1. Why can't I go to the sleepover party next weekend
 - A. question mark
 - B. exclamation point
 - C. period
 - D. comma

2. "Where are you going? Mom asked.
 - A. period
 - B. question mark
 - C. exclamation point
 - D. quotation mark

3. Remember, there will be no school tomorrow so we all can celebrate Thanksgiving
 - A. period
 - B. question mark
 - C. exclamation point
 - D. quotation mark

4. My father can point out all of the constellations in the night sky
 - A. period
 - B. comma
 - C. exclamation point
 - D. question mark

5. Aren't you bored reading all of those vampire books
 - A. period
 - B. quotation mark
 - C. question mark
 - D. exclamation point

6. "We will go shopping tomorrow" James said
- A. period
 - B. question mark
 - C. comma
 - D. exclamation point
7. Our teacher told us not to look at the answers in the back of the book
- A. period
 - B. question mark
 - C. comma
 - D. exclamation point
8. Do you think that it's okay to constantly bully your sister?" asked Dad.
- A. period
 - B. quotation mark
 - C. question mark
 - D. exclamation point
9. Look out for that stop sign
- A. period
 - B. comma
 - C. question mark
 - D. exclamation point
10. Aren't you going to join us for pizza after school
- A. period
 - B. question mark
 - C. exclamation point
 - D. quotation mark



Current Events Log

Day 2

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Day 2

Directions: What is your favorite food? Describe it as if you were introducing it to someone who has never seen or tasted it.

[illegible]

Question 1 .

7 2 , 4 4 9

What is the relationship between the value of the 4 in the square and the value of the 4 in the circle in the number above?

- ☐ A. The value of the 4 in the circle is 100 times the value of the 4 in the square.
- ☐ B. The value of the 4 in the square is 10 times the value of the 4 in the circle.
- ☐ C. The value of the 4 in the circle is 10 times the value of the 4 in the square.
- ☐ D. The value of the 4 in the square is 100 times the value of the 4 in the circle.

Question 2 .

3 4 , 4 2 1

What is the relationship between the value of the 4 in the square and the value of the 4 in the circle in the number above?

- ☐ A. The value of the 4 in the square is 10 times the value of the 4 in the circle.
- ☐ B. The value of the 4 in the square is 100 times the value of the 4 in the circle.
- ☐ C. The value of the 4 in the circle is 10 times the value of the 4 in the square.
- ☐ D. The value of the 4 in the circle is 100 times the value of the 4 in the square.

Question 3 .

Which of the following is 10 times what the 3 represents in 5,638?

- ☐ A. 3,000
- ☐ B. 300
- ☐ C. 3
- ☐ D. 30

Study Island 4th Grade Reading - Poems, Drama, and Prose

Question 1 .

Day 3



We are going to the State Fair
To play on the rides there
Our mom will buy us some Fried Coke
I think it is a joke

How can you fry a drink?
It really makes me think.
I will just have to see
If such a thing can be.

Our daddy likes the Ferris Wheel
Do not ask how I feel!
Now, I am tall enough for it
I am scared just a bit

Which of these is true about this poem? (Hint: Each time a syllable sounds stronger than the others, that is called a beat.)

- ☐ A. All the stanzas have the same beat.
- ☐ B. None of the stanzas share the beat.
- ☐ C. Stanzas 1 and 3 have the same beat.
- ☐ D. Stanzas 1 and 2 have the same beat.

Pit and Pat

by J. Robbins

Two mice once lived inside a clock;
Their names were Pit and Pat;
They'd sneak around the house at night
and play with Bob the cat.

Which two lines have the same number of beats? (Hint: Each time a syllable sounds stronger than the others, that's called a beat.)

- ☐ A. lines 2 and 3
- ☐ B. lines 2 and 4
- ☐ C. lines 1 and 4
- ☐ D. lines 1 and 2

Question 3 .

Night-Song in the Jungle

adapted from Mowgli's Brothers in The Kipling Reader Selections
by Rudyard Kipling

It was seven o'clock of a very warm evening in the Seeonee hills when Father Wolf woke up from his day's rest, scratched himself, yawned, and spread out his paws one after the other to get rid of the sleepy feeling in their tips. Mother Wolf lay with her big gray nose dropped across her four tumbling, squealing cubs, and the moon shone into the mouth of the cave where they all lived. "Augrh!" said Father Wolf, "it is time to hunt again"; and he was going to spring down hill when a little shadow with a bushy tail crossed the threshold and whined, "Good luck go with you, O Chief of the Wolves; and good luck and strong white teeth go with the noble children, that they may never forget the hungry in this world."

Directions: Select all the correct answers.

Which **two** sets of words from the story would be examples of words found in poetry?

- ☐ shone/spring
- ☐ nose/noble
- ☐ lay/gray
- ☐ feeling/squealing
- ☐ little/bushy

Current Events Log

Day 3

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Day 3

Directions: The weather outside is beautiful for the first time in weeks. Persuade your teacher not to assign any homework so that you'll have time to go out to play.

[illegible]

Question 4 .

Day 4

(continued from day 3)

Which equation correctly compares the tens place and ones place in 8,888?

- ☐ A. $80 \div 8 = 10$
- ☐ B. $8,000 \div 80 = 100$
- ☐ C. $800 \div 8 = 100$
- ☐ D. $800 \div 80 = 10$

Question 5 .

Which equation correctly compares the tens place and ones place in 9,999?

- ☐ A. $90 \div 9 = 10$
- ☐ B. $900 \div 9 = 100$
- ☐ C. $900 \div 90 = 10$
- ☐ D. $9,000 \div 90 = 100$

Question 6 .

Directions: Select the correct answer from each drop-down menu.

Complete the statement below to compare 5 in the tens place to 5 in the hundreds place in the number 5,555.

5 tens is equal to 5 hundreds

5 hundreds is the size of 5 tens

Question 7 .

Which of the following is 10 times what the 7 represents in 8,137?

- ☐ A. 70
- ☐ B. 7,000
- ☐ C. 7
- ☐ D. 700

Question 8 .

Which of the following is 10 times what the 9 represents in 9,614?

- ☐ A. 9,000
- ☐ B. 90
- ☐ C. 900
- ☐ D. 90,000

Question 4 .

Day 4



Yellow balloon
Red and maroon
Mom and I blow them up

Tiny cupcakes
Cream cheese snowflakes
Mom and I decorate

It's my birthday
Mom and I play
Till my friends make their way

The poem is different from prose because

- ☐ A. of its use of rhyme.
- ☐ B. its use of rhythm.
- ☐ C. it has similes.
- ☐ D. of what it is about.

Question 5 .

Her face is like the moon
That glows in the dark sky
When the sun is up high

Her eyes are fireflies
Shining away at night
Her smile is kind and wise
She makes you feel alright

Which of these is true about this poem?

- ☐ A. Every line has a different rhythm.
- ☐ B. All the lines have the same rhythm.
- ☐ C. The poem does not have rhythm.
- ☐ D. Every other lines share a rhythm.

Question 6 .

Inauguration Day is the day where a new president takes office. Over the years, many customs have been added. Now, the new president is a very busy person on this day. He starts off his day with a morning church service. Then, he goes to the White House to meet with the president who is leaving office. When they are done, they leave for the U.S. Capitol together. There, the new president takes an oath. He promises that he will carry out his duties the best he can.

What type of writing is this?

- ☐ A. drama
- ☐ B. fiction prose
- ☐ C. poetry
- ☐ D. nonfiction prose

Question 7 .

Today I wore two different shoes!

Oh boy! I am a mess!

Fell on my face and got a bruise

Oh boy! I am a mess!

I poured some ketchup on my dress

Oh boy! I am a mess!

The dress was white if you could guess

Oh boy! I am a mess!

Read this poem out loud. How many beats are in the fifth line? (Hint: Each time a syllable sounds stronger than the others, that is called a beat.)

- ☐ A. 6
- ☐ B. 3
- ☐ C. 4
- ☐ D. 2

Current Events Log

Day 4

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) 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.

Day 4

Directions: Because of your teacher’s seating chart, you’re not going to be able to sit next to your friend all year! Persuade your teacher to let students choose their seats.

[illegible]

Question 9 .

Day 5

(continued from days 3 and 4)

8 , 9 9 2

What is the relationship between the value of the 9 in the square and the value of the 9 in the circle in the number above?

- ☐ A. The value of the 9 in the circle is 100 times the value of the 9 in the square.
- ☐ B. The value of the 9 in the square is 10 times the value of the 9 in the circle.
- ☐ C. The value of the 9 in the square is 100 times the value of the 9 in the circle.
- ☐ D. The value of the 9 in the circle is 10 times the value of the 9 in the square.

Question 10 .

Which equation correctly compares the thousands place and hundreds place in 66,666?

- ☐ A. $600 \div 6 = 100$
- ☐ B. $60,000 \div 600 = 100$
- ☐ C. $6,000 \div 600 = 10$
- ☐ D. $60,000 \div 6,000 = 10$



An ant is crawling
On my tomato plant
I think to myself
What could it really want?

It seems to search hard
On the green leaves now
Perhaps it lost a friend
On a trip somehow

I want to help the ant
but it does not know
How to talk to a kid
So I watch him go

What is one important difference between this passage and prose? (Hint: Prose is ordinary writing different from poetry.)

- ☐ A. It uses similes.
- ☐ B. It has a meter.
- ☐ C. It has a rhythm.
- ☐ D. It uses short lines.

Question 9 .

(1) Jolene! Jolene!
How have you been?
It's been so long
Since you left town.

(5) Jolene! Jolene!
Remember when
We climbed those trees
All afternoon

(10) Jolene! Jolene!
How we promised
To write always
When you were gone

(15) Jolene! Jolene!
How have you been?
It's been so long
Now we have grown.

One of the ways the author creates rhythm for this poem is by

- ☐ A. using the different number of syllables in the odd lines.
- ☐ B. using the same number of syllables in each line.
- ☐ C. using the same rhyme at the end of each pair of lines.
- ☐ D. having every other line end in different rhymes.



Sunflowers face the sun
The morning has begun
Birds have left the trees
To fly with the breeze

Now, I am awake
Staring at the lake
Outside my window
Where did the night go?

Which of these is true about this poem?

- ☐ A. The poem lacks a meter.
- ☐ B. It has two stanzas.
- ☐ C. Each line has three beats.
- ☐ D. Only the odd lines rhyme.

Current Events Log

Day 5

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Day 5

Directions: You have an idea to improve your school. Explain what it is and why on the lines below.

[illegible]

Day 6

NOTE: there is no math answer key for Days 6 - 10, please reach out to your child's teacher with any questions!

1. Which shows 5 times as many as 4?

a. $4 + 5 = \underline{\hspace{2cm}}$ b. $4 \div 5 = \underline{\hspace{2cm}}$ c. $4 \times 5 = \underline{\hspace{2cm}}$ d. $4 - 5 = \underline{\hspace{2cm}}$

2. 32 is four times as many as .

3. Which set of equations shows 2 times more than 15?

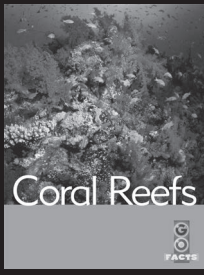
$$\begin{array}{l} 2 \div 15 = b \\ 15 \div 2 = b \end{array}$$

$$\begin{array}{l} 2 \times 15 = b \\ 15 \times 2 = b \end{array}$$

$$\begin{array}{l} 2 \div b = 15 \\ 15 \times b = 2 \end{array}$$

Solve to find b:

4. What is 6 times as many as 30?



Lesson 130 • Coral Reefs

Name _____

Day 6

Working out Word Meanings

We can often use clues in the text to help us work out the meaning of words we do not understand.

Read the passage.

Underline the sentence that contains the clue to question 1's answer.

Color two sentences that contain clues to question 3's answer.

Many reef fish have bright colors. This provides them with good camouflage. Colorful spots and stripes make them difficult to see among the coral. Some fish can even change their color to hide from predators. Others, such as trumpetfish, are predators that change color to trick their prey.

Circle the word that is the name for the animals predators catch.

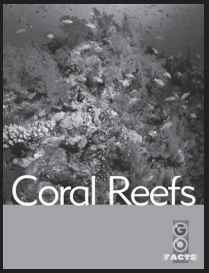
Color the correct answers.

- 1 Which option **best** describes what camouflage is?
☐ scales ☐ a disguise ☐ color ☐ speed
- 2 Which key phrase is the **clue** to question 1's answer?
☐ bright colors ☐ Colorful spots and stripes
☐ trick their prey ☐ make them difficult to see
- 3 Which option **best** describes a predator?
☐ a hunter ☐ a victim ☐ an old fish ☐ a large fish
- 4 What are the **two best clues** to question 3's answer? Some fish ...
☐ have to hide from predators.
☐ have bright colors.
☐ are predators that change color to trick their prey.
☐ have good camouflage.
- 5 Which word in the passage is the **opposite** of predator?
☐ fish ☐ spots ☐ trick ☐ prey

Lesson 130 • Coral Reefs

Name _____

Day 6



Read the passage.

Highlight the words that help us work out the meaning of *fragile*.

Circle the key word that tells us what happens when there are no longer any trees to protect the ground.

Coral reefs are fragile and they need to be protected. There are some natural threats to coral reefs, but people cause the most damage. Coral needs clear water to grow. When forests are cut down on land, erosion washes soil into the ocean. The plants inside the corals stop growing and the corals begin to die. Pollution caused by industry and shipping can also poison coral polyps. Ships leak fuel into the water and the boat anchors break off coral. Oil spills can cause huge damage as well.

Underline the words and phrases that show how people damage coral reefs.

In paragraph 3, color three words that help to explain the word *pollution*.

- 1 What does the phrase *need to be protected* suggest about the meaning of the word, *fragile*?

- 2 Use the **clues** in paragraph 2 to help you write a definition for the word, *erosion*.

- 3 Use the **clues** in paragraph 3 to help you write a definition for the word, *pollution*.

Current Events Log

Day 6

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) 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.

Day 6

Directions: Explain how contributing responsibly helps or how it hurts a group when someone doesn't do his part.

[illegible]

Day 7

5. Which equation below shows 4 times as old as 7?

d. $4 \times 7 = A$ e. $A \times 4 = 7$ f. $7 \div A = 4$ g. $7 \div 2 = A$

6. Which equations show a way to represent 3 times as many as 10? Circle all equations that could represent this problem.

a. $10 \div 3 = \underline{\hspace{2cm}}$ b. $3 \times \underline{\hspace{2cm}} = 10$ c. $10 \times 3 = \underline{\hspace{2cm}}$

d. $\underline{\hspace{2cm}} \div 3 = 10$ e. $\underline{\hspace{2cm}} \div 10 = 3$ f. $10 \div \underline{\hspace{2cm}} = 3$

7. Which two equations represent the statement "56 is 8 times as many as 7?" Select the two correct answers.

a. $56 = 8 + 7$ b. $56 = 8 \times 7$ c. $56 = 8 \times 8$ d. $56 = 7 + 8$ e. $56 = 7 \times 8$

8. 81 is 9 times as many as _____.

9. Which equation shows how to find 8 times as many as 4?

a. $8 \div 4 = 2$

b. $8 - 4 = 4$

c. $4 \times 8 = 32$

d. $4 + 8 = 12$

10. Which statement is represented by the equation: $20 \times 3 = 60$

a. The number 20 is 3 less than 60.

b. The number 60 is 20 more than 3.

c. The number 20 is 3 times as much as 60.

d. The number 60 is 3 times as much as 20.

Lesson 16

Using Context Clues



Introduction Sometimes when you're reading a story or an article, you'll come across a word you don't know. When you don't know the meaning of a word, often you can figure it out by looking at the words and sentences around it. When you do this, you are using **context clues**.

Kinds of Context Clues	Examples
Look for a definition in the text.	In high school, Jim Lovell built his first <u>rocket</u> , a jet engine that could fly to great heights.
Find an example that will give you clues about the word's meaning.	Lovell's first attempt was a <u>failure</u> . His rocket flew into the air but then exploded and crashed.
Look for a restatement . A restatement happens when the word is discussed in a way that makes its meaning clear.	A rocket is pushed upward by materials that are <u>combustible</u> . These materials burn and release gases.

**Guided Practice**

Read the paragraph below with a partner. Circle the context clues that help you understand the meaning of the underlined word. Write the meanings of the underlined words on the space provided.

HINT Sometimes context clues can be found in a sentence before or after the word you're trying to figure out.

Jim Lovell had always been fascinated by rockets. He was interested in learning everything about them and even built his own rocket. Lovell applied to the United States Naval Academy but was rejected. After failing to get into the Academy, Lovell did not give up. He persisted, or kept trying, and finally succeeded. After the Academy, he joined the NASA space program.

fascinated: _____

rejected: _____

persisted: _____

**Independent Practice**

For numbers 1–4, use context clues to figure out the meaning of each underlined word.

NASA chose Lovell to command the *Apollo 13* space mission. Lovell was in charge of two men and of making all final decisions. After they were in space for a little more than two days, Lovell and his crew ran into trouble. One of the oxygen tanks blew up. The explosion caused a leak in another tank, and now there wouldn't be enough oxygen for a moon landing. Lovell and his crew had to return to Earth. Their safe return was due to Lovell's capable leadership.

1 What does the word command mean?

- A** to study
- B** to fly with others on
- C** to be at the head of
- D** to be part of

2 What words help you understand the meaning of command?

- A** "in charge of"
- B** "two men"
- C** "space mission"
- D** "chose Lovell"

3 What does the word explosion mean?

- A** a leak
- B** a bursting of something
- C** a lack of oxygen
- D** leaving outer space

4 What does the word capable suggest about Lovell as a leader?

- A** He is a gentle and patient leader.
- B** He is skillful at leading others.
- C** He is harsh to those he leads.
- D** He is weak when leading others.

Current Events Log

Day 7

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Day 7

Directions: Your class is having a “tell and show” day. You have to describe your item in as much detail as possible without naming it. Only when the class guesses or gives up can you show your item. Write out the description of your item.

[illegible]

Day 8

11. 3 times as much as 6 is _____.

12. Which equation can be used to determine 6 times as many as 30?

a. $30 - 6 = ?$ b. $30 \div 6 = ?$ c. $30 \times 6 = ?$ d. $3 + 6 = ?$

13. Write an equation that represents the statement "56 is 8 times as many as 7."

14. Which statement is represented by the equation: $30 \times 6 = 180$?

- a. The number 180 is 6 less than 30.
- b. The number 180 is 30 more than 6.
- c. The number 30 is 180 times more than 6.
- d. The number 180 is 6 times more than 30.

Lesson 13

Unfamiliar Words

Learning Target

Using context clues to figure out the meaning of unfamiliar words and phrases will deepen your understanding of the texts you read.

► **Read** Informational texts often have words people don't use in everyday life.

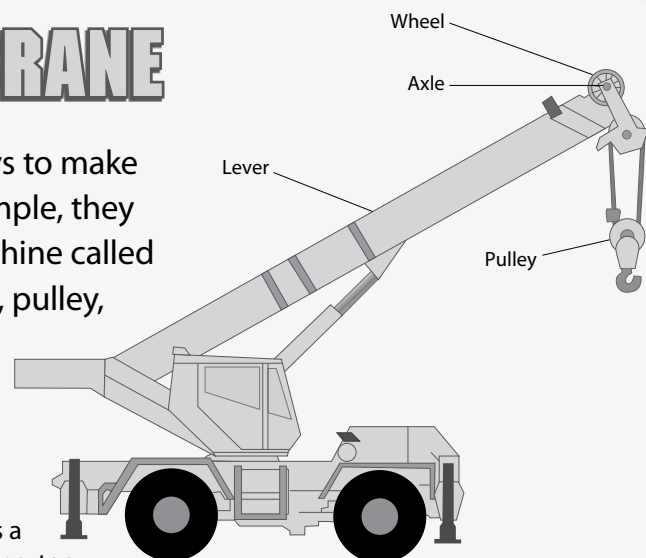
- Some words usually appear only in texts in one **subject area**. For example, you'll see the word *fossil* in science texts and the word *geography* in social studies texts.
- Other words, called **academic words**, are useful in many subject areas. For example, the academic word *process* often appears in both science and social studies texts.

As you read, you can use **context clues** to figure out the meanings of unfamiliar words and phrases. Clues might be synonyms, antonyms, examples, or definitions.

Read the passage below. Circle the phrase conceived of, and underline context clues that help you learn its meaning.

INVENTING THE CRANE

Ancient Greek engineers thought of ways to make new machines from older ones. For example, they conceived of and built a compound machine called the crane. Their idea combined the lever, pulley, and wheel-and-axle into one machine.



A modern crane is a compound machine, too.

- **Think** What have you learned about figuring out the meaning of unfamiliar words? Complete the chart below to figure out the meaning of the phrase conceived of as it is used in the passage. Then explain what the phrase most likely means.

Helpful Context	Clues	Possible Meaning

The meaning of the phrase: _____

- **Talk** Share your chart and meaning with a partner.
- Did you agree about the helpful context?
 - Did you agree about the meaning of the phrase?



Academic Talk

Use these phrases to talk about the text.

- **subject area**
- **academic words**
- **context clues**

Fire and Air

by Johanna Joyner

- 1 Starting a fire is a bit like following a recipe. Getting anything to combust takes three ingredients: fuel, heat, and oxygen. All three are needed for burning to begin, but where do these ingredients come from? Fuel is anything that burns easily, including wood, paper, or grass. Heat can come from many places, but most people use matches. And oxygen, of course, is a gas in the air around us.
- 2 If a fire doesn't have enough of any one of the three ingredients, it will be weak. To strengthen the fire, just add one or more of the ingredients. It is simple to add more fuel or heat, but how do you add more oxygen? From a safe distance, blow on the fire. You will see it strengthen because blowing adds oxygen to the fire, making it burn vigorously. Your fire will grow bigger, brighter, and stronger.
- 3 To understand the role oxygen plays in keeping a fire burning, try this experiment:

An Experiment with Fire

4 Materials You Will Need

- **MOST IMPORTANT:** A TEACHER HELPING YOU
- three small candles (tealights)
- three saucers
- two glass jars, one larger than the other

5 Procedure to Follow

Put each candle on a saucer, and have your teacher light each one. Place a jar over two of the candles. Pay attention to the candles to monitor what happens over time. You will observe that the candle with the least air available—the one covered by the smaller jar—is the first one extinguished. Keep watching to see which candle goes out next. Blow out the last candle.

Close Reader Habits

As you read, **circle** unfamiliar words or phrases. Then **underline** words or phrases that give you clues about their meanings.

Explore

How did context clues help you figure out the meaning of unfamiliar words in the science text?



A chart will help you identify the parts of the text that provide context clues.

Think

- 1 Complete the chart below. Write the helpful context and clues you used to figure out the meaning of each unfamiliar word.

***Combust* means:**

Helpful Context	Clues	Possible Meaning
1. "Starting a fire is a bit like following a recipe. . ."		

***Monitor* means:**

Helpful Context	Clues	Possible Meaning
1. "Pay attention to the candles. . ." 2. "... happens over time."	1. attention	

Talk

- 2 Explain how figuring out the meaning of unfamiliar words helped you understand the text. Which context clues were the most helpful? Why?



Write

- 3 **Short Response** Briefly explain how you figured out the meaning of combust and monitor. Use text details to support your answer. Use the space on page 208 to write your answer.

HINT Replace an unfamiliar word with its possible meaning to see if it makes sense.

Current Events Log

Day 8

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) 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.

Day 8

Directions: You are given an exceptional camera. Everything you take a picture of becomes yours, but you can only take three pictures. Tell a story about the photos you take.

[illegible]

Day 9

1. Which of these numbers is a multiple of 6?

- a. 16 b. 41 c. 30 d. 25

2. Which factor of 80 is NOT a factor of 16?

- a. 1 b. 4 c. 8 d. 10

3. Find all of the factor pairs for 49. Then decide if it is composite or prime.

Factors: _____

Composite or Prime? _____

4. Which of these is NOT a multiple of 7?

- a. 15 b. 21 c. 35 d. 56

5. Decide which numbers are factors of 15. Cross out the numbers that are NOT factors. Then, list the factor pairs.

Possible Factors: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 15

Factor Pairs: _____

6. Create a factor rainbow for 45. Then list all the factors on the line below.

7. Circle all of the numbers below that are factors of 15 and 24.

- a. 1
- b. 24
- c. 15
- d. 3
- e. 0

Over Bridge, Under Tunnel

by Lloyd Frank

- 1 Mountains, lakes, and rivers can get in the way of people traveling from one place to another. There are structures that help people pass such obstacles. Bridges and tunnels help people overcome such barriers.
- 2 Bridges and tunnels are different in design and placement. A bridge is built over a body of water, a highway, or a railroad track. A tunnel, in contrast, is a passageway under the ground, under a body of water, or through a mountain. Bridges vary in shape and are often placed above ground or water. Some are even famous. The Golden Gate Bridge is one of the most renowned bridges in the world. This celebrated structure crosses over the entrance to San Francisco Bay and connects San Francisco to northern California. The Golden Gate is known for its length and height. But it is best known for its beauty. People come from all over the world not just to cross the Golden Gate but simply to look at it.
- 3 Of course, not even the world's most famous tunnel gets many visitors who just want to look. It's hard to get a good view of a subterranean passage. But since the Channel Tunnel opened in 1994, it has transported millions of people. The Channel Tunnel, or "Chunnel," runs beneath the English Channel and connects France and England. The Chunnel is a rail tunnel. The only automobiles that cross it are carried on special railway cars. The Chunnel is not the longest tunnel in the world, but it is one of the few tunnels that connects two countries.

Close Reader Habits

How can context clues help you? **Circle** words that are unfamiliar.

Reread the article.

Underline clues that help you figure out the meaning of the words.



Synonyms are context clues with meanings that are almost like the unfamiliar words. Antonyms are context clues with meanings that are opposite to the unfamiliar words.

Think Use what you learned from reading the science article to respond to the following questions.

1 What is the meaning of obstacles as it is used in paragraph 1 of the text?

- A** things made below or above ground
- B** things that slow or stop movement
- C** things that help people travel
- D** things built through mountains or over water

2 Underline **four** context clues in paragraph 2 that **best** help you understand the meaning of the word renowned.

A bridge is built over a body of water, a highway, or a railroad track. . . . Bridges vary in shape and are often placed above ground or water. Some are even famous. The Golden Gate Bridge is one of the most renowned bridges in the world. This celebrated structure crosses over the entrance to San Francisco Bay and connects San Francisco to northern California. The Golden Gate is known for its length and height. But it is best known for its beauty.

Talk

3 Discuss the meaning of the word subterranean as it is used in this sentence from paragraph 3:

It is hard to get a good view of a subterranean passage.

HINT Use a chart to organize your thoughts about context clues.

Write

4 Short Response Write a definition of the word subterranean. Identify the context clues you found. Describe the strategy you used to figure out the meaning of the word. Use details from the text to support your response. Use the space provided on page 209 to write your answer.

over Bridge, Under Tunnel

3 Use the chart below to organize your ideas.

Helpful Context	Clues	Possible Meaning



Write Use the space below to write your answer to the question on page 207.

4 Short Response Write a definition of the word subterranean. Identify the context clues you found. Describe the strategy you used to figure out the meaning of the word. Use details from the text to support your response.

Current Events Log

Day 9

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]

Day 9

Directions: Imagine that you live either 100 years in the past or 100 years in the future. What is your life like?

[illegible]

Day 10

13. In a through d, write whether each number is prime or composite. Prove your answer by listing the factors pairs of the given product.

	Number	Factor Pairs	Prime or Composite?
a.	34		
b.	46		
c.	53		
d.	83		

15. Which group of numbers lists factors of both 24 and 48?

- a. 0, 3, 4, 48
- b. 3, 6, 8 16
- c. 1, 2, 16, 48
- d. 3, 4, 12, 24

Day 10

Determine the rule, and complete the pattern.

1. 7, 14, _____, 28, _____, 42, _____

Rule: _____

2. 3, _____, 12, 24, _____, 96, _____

Rule: _____

3.

Hours Worked	4	6	7	9	12
Bricks Laid	120	180	210	_____	360

Rule: _____

4. 7, _____, 11, 13, _____, 17, _____

Rule: _____

5. 42, 38, _____, _____, 26, _____

Rule: _____

6.

Input	2	3	4	6	7
Output	3	6	10	21	_____

WORDS TO KNOW

As you read, look inside, around, and beyond these words to figure out what they mean.

- **series**
- **hinged**
- **foreign**

Seashells

by Bela Moté

- 1 If you walk along the seashore, you will probably see many kinds of shells. Seashells were once the homes of live animals. The animals that live inside shells have soft bodies, so they need their shells to protect them from harm. Their shells save them from storms or predators such as starfish, birds, and otters. Shells also give the animals a shape. In that way, shells are like skeletons on the outside of the body. When the animals die, the shells remain.
- 2 Creatures with shells belong to a group of animals called **mollusks**. Not all mollusks have shells. Of the mollusks that do have shells, there are two main groups.

worm shell

slipper shell

helmet shell

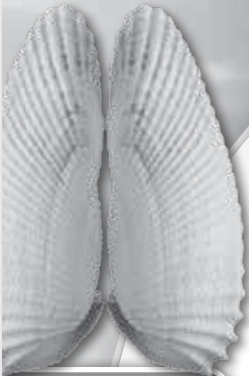
Univalves

- 3 More than three-quarters of all mollusks are **univalves**, a word that means “having a shell that is all one piece.” The shell is coiled, and inside the coil is the soft body of the mollusk. Many univalves are named for their appearance. Look at the examples above. Does the helmet shell remind you of a helmet? How about the worm and slipper shells?
- 4 Some univalves have small holes in their shells. Abalone shells have a series of holes. Water and wastes are expelled, or pushed out, through the holes. The inside of an abalone shell gleams with different rainbow colors. This iridescent substance is called mother-of-pearl.

abalone shell

Bivalves

- 5 After univalves, **bivalves** are the next largest group of mollusks. When a bivalve is alive, the two parts of its shell are hinged. After the animal dies, you may find just one part of the shell lying on the beach.
- 6 Many bivalves have names that reflect their appearance. A jackknife is a knife that folds into its own case. The jackknife clam has an appropriate name because it has about the same shape as a closed jackknife. Are angel wing and kitten's paw fitting names for the shells shown here?
- 7 There are many different kinds of clams, from very small to very large. The giant clam is the largest bivalve. Some are four feet long and weigh 500 pounds. The giant clam even grows its own food. Tiny plants get caught in the clam. The plants get what they need from the clam, but eventually the clam eats the plants.
- 8 Another common bivalve is the oyster. All oysters can make pearls, but the pearl oyster makes the most beautiful ones. A pearl is an accident. A grain of sand or something else gets inside the oyster shell. An oyster is creating new shell material all the time. To protect itself from the foreign body, the oyster covers it with the same material that the oyster's shell is made of. The result is a pearl.

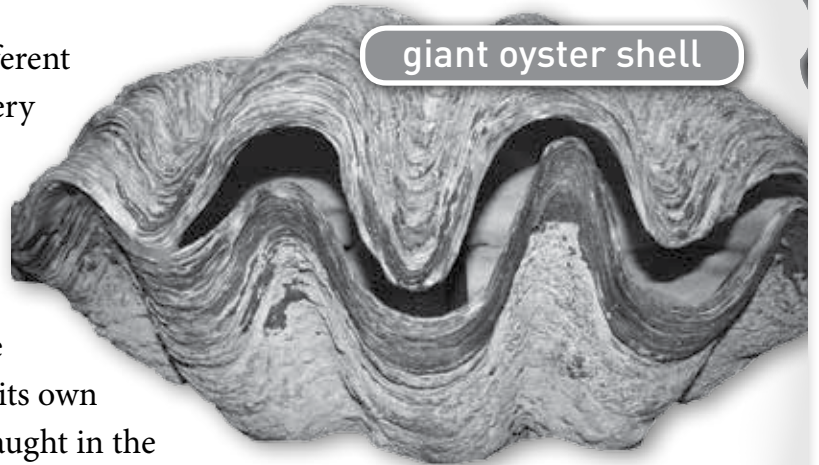


angel wing shell

kitten's paw shell



jackknife shell



giant oyster shell



pearl oyster shell

► **Think** Use what you learned from reading the science text to respond to the following questions.

- 1** Read the sentence from paragraph 1 in the passage.

Their shells save them from storms or predators such as starfish, birds, and otters.

What does the author suggest to the reader by using the word predators? Pick **two** choices.

- A** Predators can harm some animals.
- B** Predators need to find shelter from storms.
- C** An animal's shell helps protect it.
- D** All predators have skeletons.
- E** When the animal dies, the shell remains.

- 2** This question has two parts. First, answer Part A. Then answer Part B.

Part A

What is the meaning of the word iridescent as it is used in paragraph 4?

- A** not letting light through
- B** easy to notice or understand
- C** shining with many varying colors
- D** a small amount of something

Part B

Which phrase from the passage helps the reader understand the meaning of iridescent?

- A** "next largest group of mollusks"
- B** "have small holes in their shells"
- C** "the inside of an abalone shell"
- D** "gleams with different rainbow colors"

- 3 This question has two parts. First, answer Part A. Then answer Part B.

Part A

What is the meaning of the word bivalve as it is used in paragraph 5?

- A having a hard outer shell
- B having a shell with two pieces
- C having a soft outer shell
- D having a shell that is all one piece

Part B

Underline the **two** phrases in paragraph 5 that **best** support your answer in Part A.

After univalves, **bivalves** are the next largest group of mollusks. When a bivalve is alive, the two parts of its shell are hinged. After the animal dies, you may find just one part of the shell lying on the beach.

- 4 Read the sentence from the passage.

The jackknife clam has an appropriate name because it has about the same shape as a closed jackknife.

What does the author tell the reader by using the word appropriate? Pick **two** choices.

- A Bivalves are the largest group of mollusks.
- B Jackknife describes the shape of the clam.
- C An angel wing is a good name for the clam.
- D Jackknife is a good name for the clam.
- E The clam looks like an open jackknife.
- F A jackknife folds into its own case.

Day 10

Directions: Tall tales are possibly true stories that contain highly exaggerated actions or events. Create a tall tale about something that happened in your family.

[illegible]

Current Events Log

Day 10

On the lines below, draw and write about something interesting you learned about by reading the newspaper, watching local news, or watching an educational TV show (PBS, Disney Channel, Discovery Channel, Newselakids, Informational YouTube Videos etc.) Describe who, what, where, when, why, and how of what you learned. What facts or information are most interesting to you and why?

[illegible]