LEARN

A NETWORK *of* COLLEGE PREP ELEMENTARY SCHOOLS

Summer Work Packet

Grade 8

DIRECTIONS: This student work packet contains remediation and enrichment activities *for 6 week's worth of work.* Different from previous weeks of school closure please note the following:
- Your child's teachers will reach out the first week you receive these to answer any questions you have about the work in this packet.
- Your LEARN Campus staff will be available to answer questions regarding the content until the last day of school, 6/19/20 but will be on vacation after that.
- Please follow the campus guidance on packet completion and return

Chicago Public Library Access
Chicago residents only

Don't Have a Chicago Public Library Card
* *Children under 14 must have a guardian apply with them*
1.) Apply for an eCard at https://tinyurl.com/LEARNCPLcard
2.) Access eBooks, audible books, and other online resources
3.) Check out other resources at https://chipublib.overdrive.com/

Already have a Chicago Public Library card

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
http://www.ncplibrary.org/
Select: Kid's Corner
Select: TumbleBook Library

Waukegan Public Library Access
https://www.waukeganpl.org/temporary-library-card/
1.) Complete the temporary library card form
2.) Access online resources at: https://www.waukeganpl.org/eresources/

Student Name _____

June

2020

Summer Enrichment Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19 Last day of school	20 Take a walk and have your child share what they hear, smell, feel and see.
21 Write a creative story	22 Write out three things that you are thankful for	23 Create a chore chart to create structure for the summer	24 Draw what you are feeling or thinking	25 Play emotions charades. Can you family guess the emotion?	26 Write a letter to someone to tell them you appreciate them.	27 Make a list of 10 ways to respect at home or at school.
28 Make a KINDNESS poster and list out ways people can show	29 Write/draw about something you can't do YET, but that you can get better at this	30 Write/journal about what it means to be a good friend.				

July

2020

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 Draw or write out five things that you are good at	2 Think of three things you can do to be helpful in your home today. Then do them!	3 Write: happy/ worried/ sad/ afraid. Then write or draw things that make you feel these emotions.	4 Go outside, sit down, and close your eyes for 1 minute. What did you hear? What did you smell?
5 What is the best thing that has happened so far this summer? Why?	6 Rewrite or draw the ending to your favorite book or movie.	7 Make up a new dance and teach it to someone.	8 Spend 10 minutes stretching.	9 Draw a map of your neighborhood.	10 Tell someone a joke.	11 Make up a new game and teach someone how to play it.
12 Write down three things you are thankful for.	13 Write: calm/silly/excited. Then write or draw things that make you feel these emotions.	14 What is your favorite show or movie? Write or draw a story that includes you as a character.	15 Draw a picture of a new invention. What does the invention do? How much will you sell it for?	16 Write your own picture book and then read it to someone.	17 Play a game with your family and/ or friends (e.g., Tag, boardgame, card game, etc.)	18 Pick a breathing exercise from below and practice it for 5 – 10 minutes.
19 Design and draw a cake for someone you know.	20 Write a letter to someone you are grateful for. If you can, mail it.	21 Design and draw your dream house.	22 Write/draw a story that happens in the dream house you designed yesterday.	23 Write a song about something you are thankful for.	24 Draw or write three things you love about yourself.	25 Go outside, sit down, and close your eyes for 1 minute. What did you hear? What did you smell?
26 Write/draw three things you hope to learn this school year.	27 Write or draw a story about your favorite day at school.	28 Write or draw 5 things that make a GREAT teacher.	29 Pick a breathing exercise from below and practice it for 5 – 10 minutes.	30 What do you want to be when you grow up? Write a story about it.	31 Write or draw 3 – 5 goals for this school year.	

Breathing Exercises

The Flower Breath: Imagine smelling a flower. Breathe in through your nose, out through your mouth.

The Bunny Breath: Take three quick sniffs through the nose and one long exhale through the nose. (As he starts to get the hang of it, have your little bunny focus on making the exhale slower and slower.)

The Snake Breath: Inhale slowly through the nose and breathe out through the mouth with a long, slow hissing sound.

Blow Out the Candle: Imagine a birthday candle. Take in a deep breath through the nose and then exhale through the mouth to blow out the candle.

Smell the Rose/Blow Out the Candle: Combine the Flower Breath (on the inhale) with the Blow Out the Candle Breath (on the exhale), holding up your pointer finger to your nose as "you smell the rose," and drop your finger to your mouth as you "blow out the candle."

Summer Enrichment Activities

Information	Website
The Metropolitan Museum of Art From Purewow.com, "New York's Met Museum has an entire section of its website dedicated to young ones called MetKids. The online-only experience features a time machine, where you can search by time period, idea or location to uncover objects and artwork from the museum's rooms. The "Big Ideas" search tool allows kids to look into topics like inventions, fashion and battles, and see all the relevant artifacts—a cool way to learn without it really seeming like you're learning. There are also videos, as well as an interactive map of the museum that allows you to check out various exhibitions around the building."	https://www.metmuseum.org/art/online-features/metkids/
The British Museum From purewow.com, "Ever wanted to see the Rosetta Stone or a real-life mummy? Look no further than the British Museum, which you'd usually have to seek out during a vacation in London. The tour is interactive, with artifacts searchable by era, region or type, and you can discover all sorts of interesting objects, including a bank check from Barclays and a papyrus poem from ancient Egypt.?	https://britishmuseum.withgoogle.com/
Smithsonian National Museum of History From purewow.com, "Take yourself on a tour of the Smithsonian National Museum of Natural History, whether it's through the temporary exhibitions or the permanent collection. Along the way, check out dinosaur skeletons, animals from around the globe and even past exhibits that are no longer on display in reality. It's a great way to keep your kids learning about the world around them even when they can't be in school, and there are plenty of follow-up activities or readings you can do after the tour. While you're there, stop by the Smithsonian Castle and the Hirshhorn Sculpture	https://naturalhistory.si.edu/visit/virtual-tour

Garden, both of which have adjoining virtual tours."	
Boston Children's Museum	https://www.bostonchildrensmuseum.org/museum-virtual-tour
NASA Glenn Research Center	https://www.nasa.gov/glennvirtualtours
Monterey Bay Aquarium From purewow.com, "Who doesn't want to look at peaceful videos of undersea life when they need a break from reality? The Monterey Bay Aquarium's live web cams will delight both you and your young ones, especially the adorable penguin cam. To find something soothing, watch the hypnotizing moon jelly cam or the kelp forest cam, which showcases leopard sharks moving among the kelp. When the live cams aren't running (they operate during specific hours), there are pre-recorded videos to fill in."	https://www.montereybayaquarium.org/animals/live-cams
National Women's History Museum	https://www.womenshistory.org/womens-history/online-exhibits
"Civil Right's Photography" at the High Museum of Art	https://artsandculture.google.com/exhibit/civil-rights-photography/9wISPkiyouv-Lw?hl=en
Detroit Institute of the Arts	https://artsandculture.google.com/partner/detroit-institute-of-arts?hl=en
Smithsonian "Fun Stuff for Kids and Teens"	https://www.si.edu/kids
Making Our Children Dancers for Life from Stay Home Miami From their website, "join the Thomas Armour Youth Ballet Instructors as they teach our children the many ways dance can enhance their health and well-being from home."	https://www.stayhome.miami/making-our-children-dancers-for-life/
Soccer for Success at Home from Stay Home Miami	https://www.stayhome.miami/soccer-for-success-at-home/
Storyline Online (Read Alouds) from Stay Home Miami	https://www.stayhome.miami/share-an-adventure-with-read-aloud-books/

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.

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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?

_____
_____
_____
_____
_____
_____

Directions

Read this poem. Then answer questions 41 through 43.

Sea Fever

by John Masefield

I must go down to the seas again, to the lonely sea and the sky,
And all I ask is a tall ship and a star to steer her by;
And the wheel's kick and the wind's song and the white sail's shaking,
And a grey mist on the sea's face, and a grey dawn breaking.

5   I must go down to the seas again, for the call of the running tide
Is a wild call and a clear call that may not be denied;
And all I ask is a windy day with the white clouds flying,
And the flung spray and the blown spume, and the sea-gulls crying.

I must go down to the seas again, to the vagrant gypsy life,
10 To the gull's way and the whale's way where the wind's like a whetted[1] knife;
And all I ask is a merry yarn[2] from a laughing fellow-rover,
And quiet sleep and a sweet dream when the long trick's over.

---

[1]whetted: sharpened

[2]yarn: story

41 How do lines 5 and 6 of "Sea Fever" support a theme of the poem? Use **two** details from the poem to support your response.

_____

_____

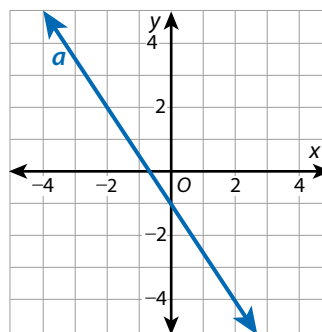_____

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GO ON

Week 1

2 Line *a* is shown. Graph line *b* in the same coordinate plane to make the following statements true.

- The solution of the system of equations is $(-2, 2)$.

- The *y*-intercept of line *b* is positive.

- The slope of line *b* is greater than 0 and less than 1.

CONSIDER THIS . . .
How can you use the *y*-intercept and the point $(-2, 2)$ to graph line *b*?

PAIR/SHARE
What *y*-intercepts are possible for line *b* to have?

3 Which system of equations can be used to solve the following problem? Reth and Allen both save money. Reth starts with $10. He then saves $7 each week. Allen starts with $16. He then saves $5 each week. After how many weeks will Reth and Allen have the same amount saved?

A $y = 5x + 10$

$y = 7x + 16$

B $y = 10x + 16$

$y = 7x + 5$

C $y = 7x + 10$

$y = 5x + 16$

D $y = 10x + 7$

$y = 16x + 5$

Elisa chose C as the correct answer. How might she have gotten that answer?

CONSIDER THIS . . .
What does each rate of change represent in this situation?

PAIR/SHARE
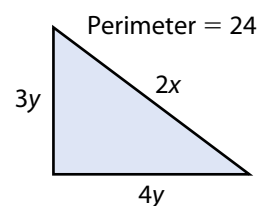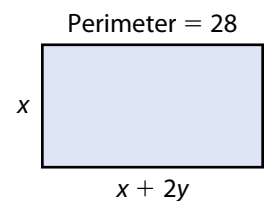How many weeks does it take for Reth and Allen to have the same amount saved?

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4 Evelyn knits hats and scarves for charity. She records the time it takes and the amount of yarn needed to make one of each item. Last winter Evelyn knitted for 180 hours. She used 2,520 yards of yarn. How many hats and scarves did Evelyn knit?

a. Choose variables for the two unknown quantities in the problem and tell what each variable represents.

b. Write a system of two equations to represent the situation.

c. How many hats and scarves did Evelyn knit? Show your work.

Hat	Scarf
5 hours	15 hours
110 yards	150 yards

SOLUTION

5 Lines a and b form a system with no solution. The points $(-3, 2)$ and $(5, -4)$ lie on line a. Which two points could lie on line b?

A $(2, 1)$ and $(6, 4)$

B $(1, -1)$ and $(9, -7)$

C $(-6, 4)$ and $(-2, 1)$

D $(3, 1)$ and $(5, -4)$

6 What are the values of x and y in the figures shown? Show your work.

Perimeter = 28

x, $x + 2y$

Perimeter = 24

$3y$, $2x$, $4y$

SOLUTION

Journal Entry 1

During recent events, we have had to find ways to entertain ourselves. What has been your favorite form of entertainment lately? Write to explain it and how it has helped you.

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My favorite form of entertainment lately has been …

LEARN Charter Schools Reading Log

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☐ 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?

_____

_____

_____

_____

_____

_____

Week 2

Study Island 8th Grade Reading - Meaning and Tone

Question 1 .

> When my mother died I was very young,
> And my father sold me while yet my tongue
> Could scarcely cry 'weep! 'weep! 'weep! 'weep!
> So your chimneys I sweep, and in soot I sleep.
> *from "The Chimney Sweeper" by William Blake*

What is the mood of the stanza?

- **A.** grim
- **B.** timid
- **C.** daring
- **D.** light

Question 2 .

Italian Girl: Hi, my name is Maria, and I'm new at this school. I just moved here from Italy.

American Girl: Hi, I'm Katie. Tell me something about your country. Do you and your friends like to eat pizza?

Italian Girl: Yes, we really like pizza, but we like many other things, too. My mom makes all kinds of pasta, like rigatoni, and cannelloni, and ravioli.

American Girl: Do you have big cities in your country?

Italian Girl: Oh, yes. We have many big cities. Rome is the capitol of Italy. Other big cities are Naples, Florence, and Sorrento.

American Girl: Well, I'm glad you're in the United States now. Let's go to my house and get a snack.

What mood is **best** reflected in this skit?

- **A.** welcoming
- **B.** troubled
- **C.** humorous
- **D.** argumentative

Week 2

My Baby Sister
by A. Gautam

Fresh like morning dew
On a new leaf that has just sprung
After the longest winter
She rests on the leaf of the blanket
—pink as her soft cheeks
And blossoms in her sleep
Unaware of the world that has turned
Upside down because of her
And only for her

The author's tone in this poem can be **best** described as

○ **A.** confused.

○ **B.** sentimental.

○ **C.** humorous.

○ **D.** apathetic.

Question 4 .

Mammals of the Ice Age
adapted from the National Park Service

During the last Ice Age, the oceans were 300 feet lower than today. The floor of the Bering Sea became a bridge of dry land connecting Russia with Alaska. The climate of this land bridge was extremely dry and windy. Snow could not accumulate into the piles needed to form large ice sheets. The Bering Land Bridge was mostly ice free during the last Ice Age! It became a natural travel corridor for a great diversity of life, creating a community unlike anything today. For these species, the Bering Land Bridge was not just a temporary bridge between continents, but also a permanent part of their world.

Ice Age mammals were probably something to reckon with, says National Park Service archeologist David Anderson. "They would've been pretty impressive," he says. There were saber tooth tigers, short faced bears, wolves, and bison. An extinct form of the species, Bison Antiquitus, roamed the southeastern lowlands. It was likely a primary source of food and raw materials for the region's first inhabitants.

Archaelogists have discovered other remains from Ice Age mammals in the United States. The skull of a Bison Antiquitis was found in Florida's Wacissa River. It had a projectile point broken off in its forehead. This was just about the clearest association possible between humans and the now-extinct animals of the era.

At Little Salt Springs, also in Florida, a giant land tortoise was discovered. Scientists think it may have been speared with a wooden stake. Butchering or other tooling marks on mammoth bones, as well as finished points, foreshafts, and other objects carved from green bone or ivory, have been found at several places in the state.

Remains of essentially modern animals have been recovered at a number of later early American sites. These remains are usually found in rock shelter settings like Dust Cave and the Stanfield-Worley bluff shelter in Alabama.

Directions: Select ALL the correct answers.

Read the sentence from the passage.

Ice Age mammals were probably something to reckon with, says National Park Service archeologist David Anderson.

Which **two** words **best** represent the tone of this sentence?

☐ fearful

☐ awesome

☐ depressing

☐ disturbing

☐ informative

Week 2

LESSON 14 | SESSION 4

7 Uma is mixing solutions in chemistry class. Solution A is 10% acid and Solution B is 40% acid. She uses both to make 10 liters of a mixture, Solution C, that is 16% acid. Explain what x and y represent in the system of equations that models this situation.

$x + y = 10$

$0.10x + 0.40y = 0.16(10)$

10% Solution **A**

40% Solution **B**

16% Solution **C**
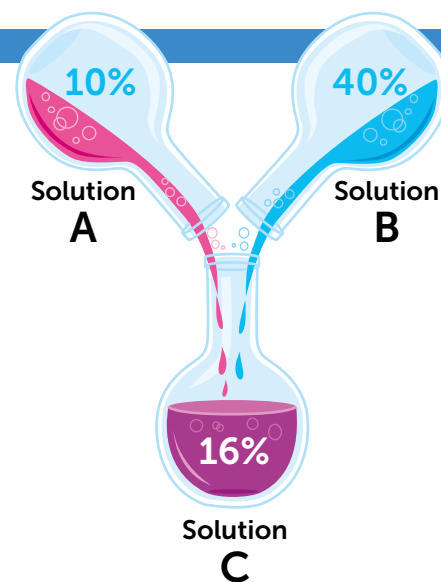
8 Arturo walks from school to the city library. He walks 4 miles per hour. When Arturo is 0.2 mile from school, Carson leaves school. Carson jogs 6 miles per hour. The system of equations can be used to find when Carson catches up with Arturo.

Arturo: $y = 4x + 0.2$

Carson: $y = 6x$

a. What do x and y represent?

b. How long will it take Carson to catch up with Arturo?

9 **Math Journal** Cameron buys 4 notebooks and 2 packages of pens for $16. Olivia buys 5 notebooks and 1 package of pens for $14.75. Write and solve a system of equations to find the price of each notebook and the price of each package of pens. Tell what each variable represents and what each equation represents.

✓ **End of Lesson Checklist**

☐ **INTERACTIVE GLOSSARY** Find the entry for *parallel lines*. Write a system of equations that represents a pair of parallel lines.

☐ **SELF CHECK** Go back to the Unit 3 Opener and see what you can check off.

330 LESSON 14 Represent and Solve Problems Involving Systems of Linear Equations ©Curriculum Associates, LLC Copying is not permitted.

2 What is the equation of the function shown by the graph? Show your work.
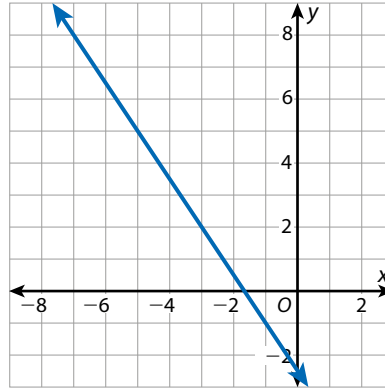
SOLUTION

3 Lillie uses some birthday money to open a bank account. Then she deposits the same amount into the account each week. The equation $y = 35x + 100$ represents the total amount in the account after x weeks. What does the initial value of the function represent?

A The amount deposited each week

B The amount used to open the bank account

C The total amount in the account after the first week of saving

D The total amount in the account after x weeks
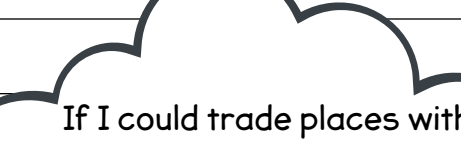
Chloe chose A as the correct answer. How might she have gotten that answer?

Imagine you could trade places for one day with someone famous. Who would you choose to trade places with? Write to tell about what you would do for that day. Then write what that person would do if they were you!

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If I could trade places with a famous person for a day, I'd choose ... because ...

i-Ready

LEARN Charter Schools Reading Log

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☐ 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?

_____
_____
_____
_____
_____
_____

Question 5 .

Half Full

A rainy day will go away.
A failing grade can soon be raised.
A nasty cut in time will shut.
A dire year will disappear.

What word below **best** describes the tone of this poem?

- ○ **A.** powerful
- ○ **B.** cynical
- ○ **C.** melancholic
- ○ **D.** optimistic

Question 6 .

Even the day had taken on an eerie feeling. The night before the game, a steady, cold rain fell in Fayetteville, Arkansas. An icy fog hovered over the stadium as the crowd awaited the arrival of President Richard Nixon, who would award a plaque symbolic of the National Championship to the winner.

What is the mood of this passage?

- ○ **A.** comical but peaceful
- ○ **B.** scary or frightening
- ○ **C.** sad and depressing
- ○ **D.** expectant yet solemn

Question 7 .

I place my groceries on the conveyor belt and make sure that I have grabbed everything on my shopping list. It's close to dinner time, and my stomach is already starting to growl. I cannot wait to prepare a quick meal of spaghetti and meatballs. I start tapping my feet. Can't this line move any faster?

I reach into my purse to grab my wallet, but surprisingly, my hand does not wrap around the familiar bulk. I dig frantically, but it's no use. My wallet is gone! I hastily tell the cashier my situation and hightail it out of there. Grabbing my cell phone, I call my credit card company to check the activity on it.

"Thank you for calling MasterCard. This is Cindy. How can I help you?"

"I can't find my wallet! Will you check the activity on my account, please?!"

"Yes, of course. Just give me a second while I run the request. Can I put you on hold please?"

"Do I have a choice?!" I mumble to the music on hold.

"Ma'am? Someone has just made a purchase at Peggy's Nail and Spa."

My mouth drops as the news sinks in. Nancy is the only person I know who goes there and the only person who has easy access to my purse!

I cannot BELIEVE the nerve of that woman! I give her a place to stay, let her borrow $500, help her look for a job, and how does she thank me?! She steals my identity! I am going to make her PAY!!!

What is the mood of paragraph 1?

- ○ **A.** impatient

- ○ **B.** hopeful

- ○ **C.** melancholic

- ○ **D.** threatening

4 Javier and Ellema both get their cars washed and fill their gas tanks at the same gas station. Javier pays $26.96 for a car wash and 5.6 gallons of gas. Ellema pays $48.62 for a car wash and 13.2 gallons of gas.

a. What is an equation for the cost of gas and a car wash as a function of the amount of gas bought? Show your work.

SOLUTION _____

b. What does each variable represent?

c. What are the initial value and the rate of change of the function? What does each one represent?

5 Which savings plan can be modeled by $y = 50x + 25$?

A Start with $50. Save $25 each week.

B Save $250 in 5 weeks for a total of $300.

C Start with $25. The total saved after 5 weeks is $275.

D The total saved is $25 the first week and $50 the second week.

6 Does the table show a linear function? Explain.

x	0	2	5	10
y	20	30	40	50

Week 3

7 The equation $y = 0.15x + 0.40$ represents the cost of mailing a letter weighing 1 ounce or more. In the equation, x represents the weight of the letter in ounces and y represents the cost in dollars of mailing the letter. In this situation, the _____ is a function of the _____.

8 Tell whether the information given is enough to write an equation for the linear function.

	Yes	No
a. The initial value and the rate of change of the function	○	○
b. The slope of the line and the rate of change of the function	○	○
c. The slope of the line and one point on the line that is not the y-intercept	○	○
d. The y-intercept of the line and the value of the function at $x = 5$	○	○
e. The y-intercept of the line and the value of the function at $x = 0$	○	○

9 **Math Journal** The graph shows distance as a function of time. Write an equation for the line. Then describe a situation that could be represented by the graph. Include the initial value and rate of change for the function. Then tell what each quantity represents in this situation.
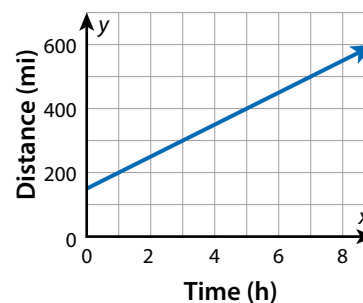
✓ End of Lesson Checklist

☐ **INTERACTIVE GLOSSARY** Find the entry for *initial value*. Give an example of a situation that can be modeled by a linear function with an initial value of 30.

☐ **SELF CHECK** Go back to the Unit 4 Opener and see what you can check off.

Journal Entry 3

As a reward for working hard while at home, your school decides to let the students create a special school bus just for kids. What would the school bus look like? What would be inside? Write to describe what this special school bus would look like.

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The school bus I'd design would have ...

i-Ready

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_____
_____
_____
_____
_____
_____

Week 4

Question 8 .

The Boston Tea Party

    The event that came to be known as the Boston Tea Party occurred on the night of December 6, 1773. The "party" began when a group of men from Boston disguised themselves as Native Americans and climbed aboard the British merchant ship *Dartmouth* in the Boston harbor. The group's aim was to destroy the ship's cargo of tea. The disguised Americans threw 342 chests of tea into the sea. As a result, the British suffered losses estimated between ten to eighteen thousand pounds. The Boston Tea Party began a series of protests that eventually began the American Revolution.

What is the tone of this passage?

    ○ **A.**   rebellious

    ○ **B.**   informational

    ○ **C.**   persuasive

    ○ **D.**   informal

Question 9 .

    The room was hushed. All one could hear was the rhythmic breathing of the surgical team and the beeping machines. Beads of sweat formed on the surgeon's brow. He and his team were working diligently to remove the remains of a tumor. He kept his hands steady and carefully maneuvered his knife. One mistake could cost him his patient's life. He did not want to rupture a blood vessel. He did not want to slice a nerve.

What is the mood of the passage?

    ○ **A.**   cautious

    ○ **B.**   sinister

    ○ **C.**   threatening

    ○ **D.**   heart-breaking

Question 10 .

Directions: Select the correct text in the passage.

Which two phrases in the passage **best** convey an excited tone?

If I Could Go Back in Time

    Human history is generally divided up into several different eras. Each of these ages is memorable because of its own unique characteristics. If I could go back in time, I would choose to go back to the Elizabethan era. This period, from 1558 to 1603, gets its name from England's Queen Elizabeth I. The Elizabethan era is known as the "Golden Age" of literature. To experience the plays and the poetry, as well as the people, the food, and the events of that period would be awfully fascinating .

    The Elizabethan era is considered an age where arts, like theatre and poetry, bloomed. The Globe Theatre was built during this time and it hosted plays written by William Shakespeare. It would be a dream come true for me to sit amongst the Elizabethan crowd and watch Shakespeare's plays like *Othello* or *Macbeth* performed for the very first time.

    Another reason why I would like to go back to this period is to experience life under Queen Elizabeth's rule. She was a fair ruler who brought stability and prosperity to England. It was said that she knew several languages, including Latin, French, and Welsh. England saw great changes during her rule. She was a great supporter of art and literature. She also had a sense of style. Some of the gowns that she wore were very beautiful . I would love to dress myself in a similar outfit, but I don't think walking in them would be a piece of cake .

Name: _____

Multiple-Meaning Words

Read the sentence. Pick the choice that uses the bold word in the same way as the original sentence. Circle the letter of the best answer.

1. Lack of money **drove** Sally to sell her house.
   - A. The blizzard drove Debbie to decide to stay home from work.
   - B. Dad drove us to the mall, but Mom said she would take us home.
   - C. The family drove three hours to see the ocean.
   - D. My older sister drove me to the movies.

2. Matt **stroked** his dog's back to calm him down.
   - A. The stroke left her paralyzed on the right side of her body.
   - B. The man had a stroke and was not able to walk.
   - C. The girl stroked her doll's hair.
   - D. A stroke affects a person's brain functions.

3. Frank gave his wife **roses** for their anniversary.
   - A. We watched as the balloons rose to the ceiling.
   - B. Janet planted a rose garden.
   - C. The sun rose slowly in the sky.
   - D. The airplane rose off into the distance.

4. He tried with his **might** to lift the heavy desk, but it wouldn't budge.
   - A. It took all her might to pry open the stuck window.
   - B. An accident might happen if you're not paying attention to what you're doing.
   - C. According to the weatherman, it might rain tomorrow.
   - D. My mom said that she might take us to the movies this weekend.

5. The duck stuck his **bill** in the water.
   - A. Our phone bill was due on the last day of the month.
   - B. The eagle had a fish in its bill.
   - C. Grandpa paid the bill at the restaurant.
   - D. We were given a bill for our hotel room during our vacation.

2 Caleb wants to prove that figures *A* and *B* are similar. What sequence of transformations could Caleb perform to prove that the figures are similar? Show your work.
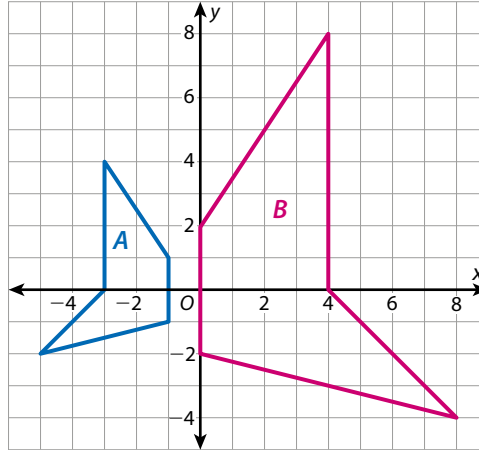
SOLUTION _____

3 Yolanda designs a holiday card that measures 3 inches by 5 inches. The card is represented by figure *ABCD*. She enlarges the card to form image *A'B'C'D'*. She uses a scale factor of 2 with a center of dilation at the origin. What are the coordinates of *B'*?
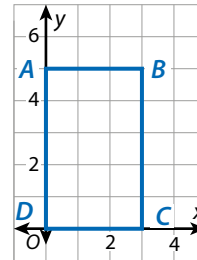
A (3, 5)

B (5, 7)

C (6, 5)

D (6, 10)

Wyatt chose B as the correct answer. How might he have gotten that answer?

4 △*ABC* was rotated 90° counterclockwise around the origin to form △*A′B′C′*. △*A′B′C′* was dilated using a scale factor of $\frac{1}{3}$ with a center of dilation at the origin. The result is △*A″B″C″*, shown in the coordinate plane. What are the coordinates of △*ABC*? Show your work.
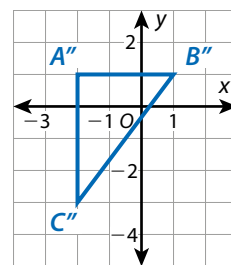
SOLUTION

5 Gabe is designing a greenhouse. The original plan for the floor is represented by figure *GHIJ*. Gabe dilates the floor by a scale factor of $\frac{2}{3}$ with a center of dilation at the origin to form figure *G′H′I′J′*. Then he translates figure *G′H′I′J′* 3 units to the right and 3 units up. The final figure is labeled *G″H″I″J″*.
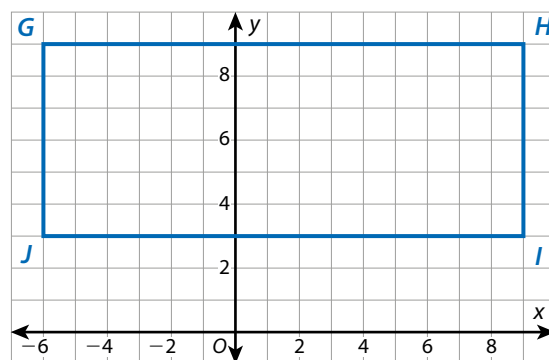
a. Draw Gabe's transformations in the coordinate plane.

b. What single transformation could map figure *GHIJ* onto figure *G″H″I″J″*?

c. Why do you think the parallel sides in figure *GHIJ* remain parallel to the corresponding sides of figure *G′H′I′J′* after the dilation?

Journal Entry 4
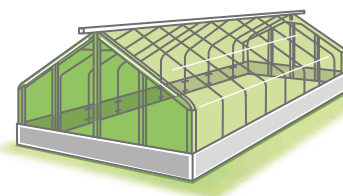
Write a fiction story that starts with something falling from the sky.

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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.

Day	Date	Title	Genre	Page Started	Page Finished	Total Time

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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*D*irections

Week 5

Read this poem. Then answer questions 8 through 14.

O Captain! My Captain!

By Walt Whitman

1

O Captain! my Captain! our fearful trip is done;
The ship has weather'd every rack, the prize we sought is won;
The port is near, the bells I hear, the people all exulting,
While follow eyes the steady keel, the vessel grim and daring:
5   But O heart! heart! heart!
     O the bleeding drops of red,
      Where on the deck my Captain lies,
       Fallen cold and dead.

2

O Captain! my Captain! rise up and hear the bells;
10   Rise up—for you the flag is flung—for you the bugle trills;
For you bouquets and ribbon'd wreaths—for you the shores a-crowding;
For you they call, the swaying mass, their eager faces turning;
    Here Captain! dear father!
     This arm beneath your head;
15   It is some dream that on the deck,
      You've fallen cold and dead.

3

My Captain does not answer, his lips are pale and still;
My father does not feel my arm, he has no pulse nor will;
The ship is anchor'd safe and sound, its voyage closed and done;
20   From fearful trip, the victor ship, comes in with object won;
    Exult, O shores, and ring, O bells!
     But I, with mournful tread,
      Walk the deck my Captain lies,
       Fallen cold and dead.

8 What **main** effect does the point of view of the poem have on the reader?

A The point of view increases suspense by hinting that the captain's true fate is still unknown.

B The point of view creates tension by limiting information about the identity of the captain.

C The point of view raises the reader's sympathy by showing the narrator's shock and distress.

D The point of view adds to the reader's mistrust by suggesting that the narrator is unreliable.

9 Which lines from the poem **best** support the inference that the narrator refuses to believe what has occurred?

A lines 1 and 2

B lines 5 and 6

C lines 15 and 16

D lines 22 and 23

10 How does the differing structure of stanza 3 contribute to the meaning of the poem?

A It is not addressed to the captain, which suggests the narrator has accepted the tragic death.

B The narrator provides a flashback, which contrasts his past and present emotional states.

C It uses a rhyme scheme that differs from previous stanzas, which shows the narrator's shock.

D The narrator expresses his point of view, which provides more information on his background.

Go On

Week 5

6 Leon designs a fabric pattern using figure *STUVW*. He dilates figure *STUVW* using a scale factor of 2 with a center of dilation at vertex *V* to form figure *S′T′U′V′W′*. Then Leon rotates this image 90° clockwise around the origin to form figure *S″T″U″V″W″*. What are the coordinates of figure *S″T″U″V″W″*?
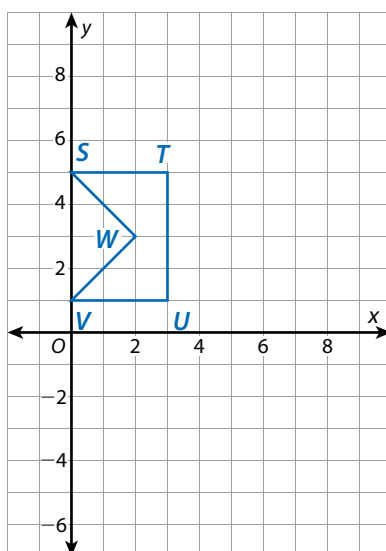
7 Maya performs three transformations on figure *WXYZ* to show that figures *WXYZ* and *W‴X‴Y‴Z‴* are similar. She dilates the figure by a scale factor of 2 with center of dilation at the origin, rotates the image 90° counterclockwise around the origin, and then reflects that image across the *x*-axis. Does the order of transformations matter? Explain.
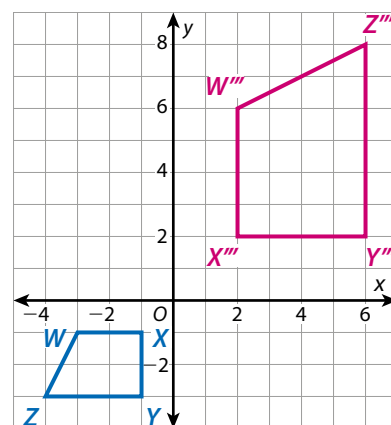
8 **Math Journal** Draw a triangle in the coordinate plane and label it △*ABC*. Transform △*ABC* using one rigid transformation and one dilation. Draw and label the final image △*A″B″C″*.

End of Lesson Checklist

☑
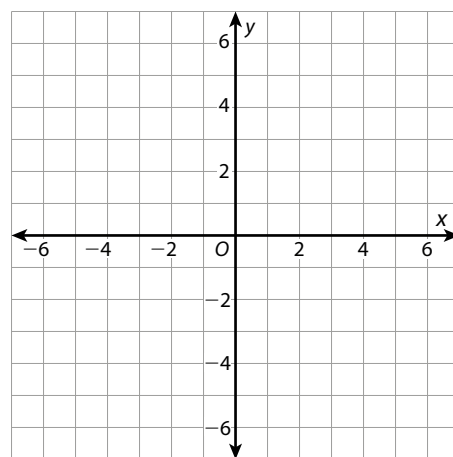
INTERACTIVE GLOSSARY Find the entry for *dilation*. Add two important things you learned about dilations in this lesson.

SELF CHECK Go back to the Unit 2 Opener and see what you can check off.

2 $\overline{AB}$ is one side of a square. Find the coordinates of the other two vertices of the square and draw the square. Explain your reasoning.
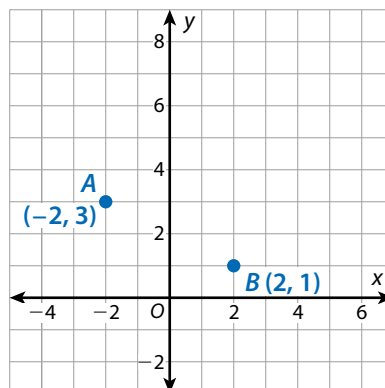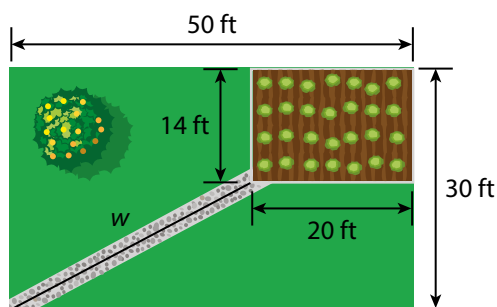
3 Mr. Shaw is building a walkway from the corner of his house out to his vegetable garden in the corner of the yard. The dimensions of the yard and the garden are shown. What is the length of the walkway, w, to the nearest foot?

A 24 ft

B 34 ft

C 46 ft

D 58 ft

Ummi chose C as the correct answer. How might she have gotten that answer?

Journal Entry 5

Helpers are all around us. They might be the police, doctors, or grocery store workers. Helpers can also be anyone who goes out of their way to help others. Think about ways you can be a helper right now. You may already be doing these things! Write to tell how you can be a helper and how it will make a difference.

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I can be a helper by ...

i-Ready

LEARN Charter Schools Reading Log

Name:_____Week Of: _____

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

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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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Week 6

Caged Bird

by Maya Angelou

1   A free bird leaps
on the back of the wind
and floats downstream
till the current ends
5   and dips his wing
in the orange sun rays
and dares to claim the sky.

But a bird that stalks
down his narrow cage
10   can seldom see through
his bars of rage
his wings are clipped and
his feet are tied
so he opens his throat to sing.

15   The caged bird sings
with a fearful trill
of things unknown
but longed for still
and his tune is heard
20   on the distant hill
for the caged bird
sings of freedom.

The free bird thinks of another breeze
and the trade winds soft through the sighing trees
25   and the fat worms waiting on a dawn bright lawn
and he names the sky his own

But a caged bird stands on the grave of dreams
his shadow shouts on a nightmare scream
his wings are clipped and his feet are tied
30   so he opens his throat to sing.

Week 6

The caged bird sings
with a fearful trill
of things unknown
but longed for still
35   and his tune is heard
on the distant hill
for the caged bird
sings of freedom.

1. What idea does the poet want to express through the caged bird's song? Use at least **two** details from the text to support your answer.
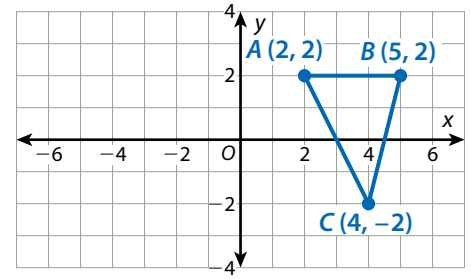
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4 Draw the reflection of △ABC across the *y*-axis. Then show that the corresponding sides of the two triangles are congruent.

A (2, 2)   B (5, 2)

C (4, −2)

5 A small plastic storage cube has a side length of 6 inches. What is the length of $\overline{AB}$ to the nearest tenth of an inch?
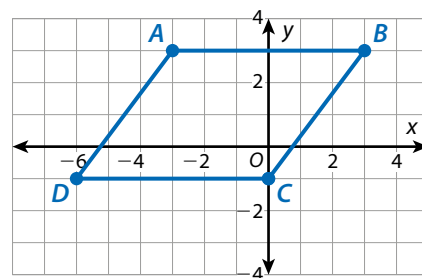
A 6 in.

B 8.5 in.

C 10.4 in.

D 12 in.

6 in.
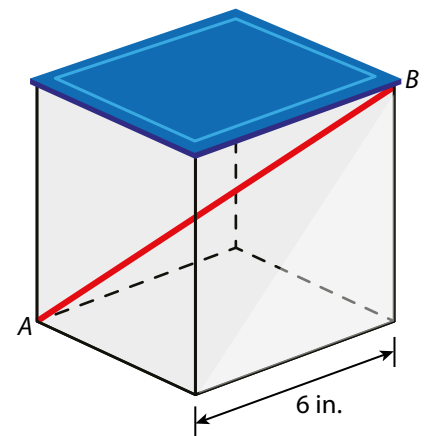
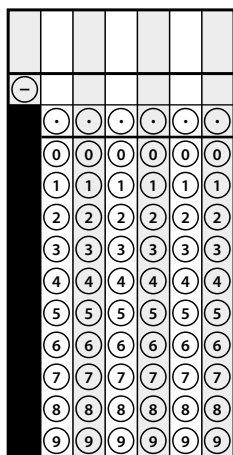**6** In △ABC, $\overline{BC}$ is longer than $\overline{AB}$, and $BC = 24$. $\overline{AB}$ and $\overline{CA}$ have whole-number lengths. Tell whether each side length is *Possible* or *Not Possible*.
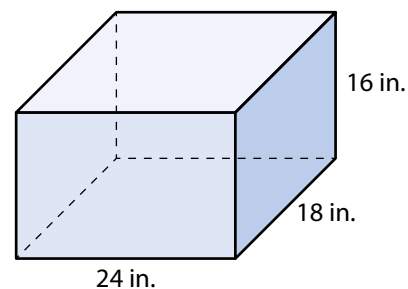
	Possible	Not Possible
a. $AB = 7$	○	○
b. $AB = 9$	○	○
c. $AB = 10$	○	○
d. $CA = 25$	○	○

[Art not drawn to scale]
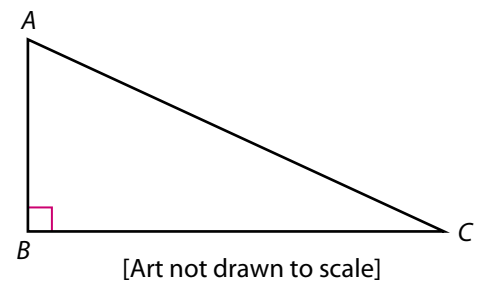
7 What is the perimeter of parallelogram *ABCD*?

8 **Math Journal** José is mailing some baseball equipment to his cousin. He wants to include a baseball bat that is 33 in. long. Will the baseball bat fit completely in the box? Explain your reasoning.

16 in.

18 in.

24 in.

✅ **End of Lesson Checklist**

☐ **INTERACTIVE GLOSSARY** Write a new entry for *consider*. Tell what you do when you consider something.

☐ **SELF CHECK** Go back to the Unit 6 Opener and see what you can check off.

Think of three places in the world you would love to visit one day. Write to tell what those places are and why you'd like to go there.

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I would like to visit ....