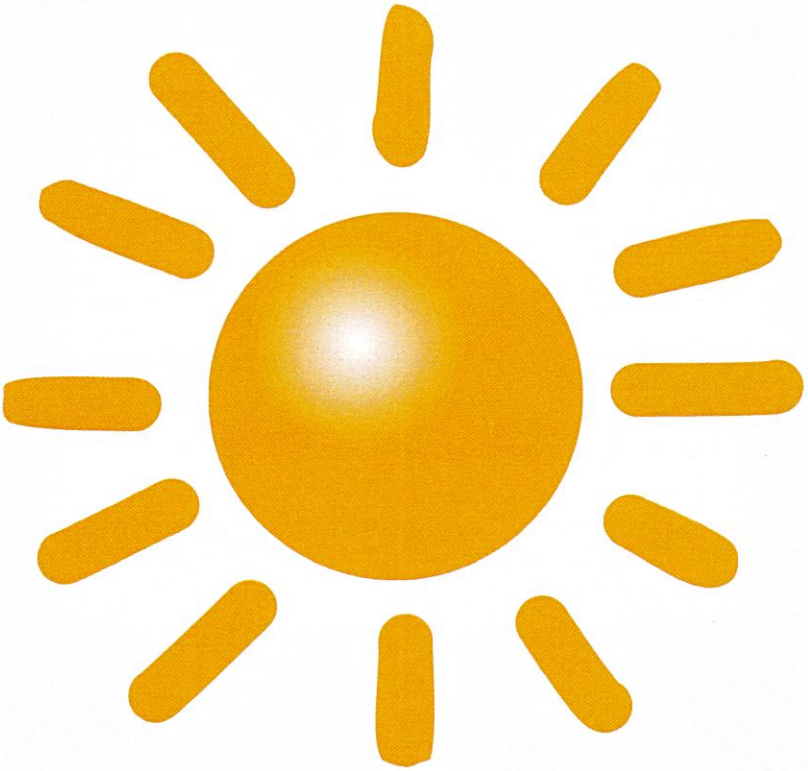
Name_____

Summer Resource Assignments



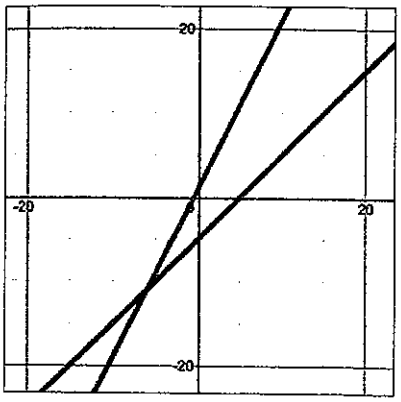
Incoming 8th Grade

ELA & Math Skills Review

Due on the 1st day of school

PS: Don't forget to complete your novel assignments as well!

1. **Which of the following points is the intersection of the graph equations y = x - 5 and y = 2x + 1 ?**



Ⓐ (1, 3)
Ⓑ (-1, -4)
Ⓒ (-2, -3)
Ⓓ (-6, -11)

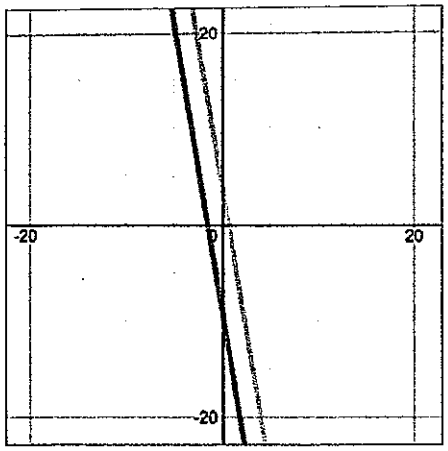
2. **Which of the following describes the solution set of this system?**

y = 0.5x + 7
y = 0.5x - 1

Ⓐ The solution is (-2, -3) because the graphs of the two equations
Ⓑ The solution is (0.5, 3) because the graphs of the two equations
Ⓒ There is no solution because the graphs of the two equations a
Ⓓ There are infinitely many solutions because the graphs of the t line.

3. Find the solution to the following system:

$y = 2(2 - 3x)$;
$y = -3(2x + 3)$



Ⓐ $x = -1$; $y = 10$
Ⓑ $x = -2$; $y = 24$
Ⓒ $x = -3$; $y = 22$
Ⓓ There is no solution.

4. Randy has to raise $50.00 to repair his bicycle. He is only $1.00 short. He has only $1 and $5 bills. If he has one more $1 bills than $5 bills, how many does he have of each?

Circle the correct answer choice.

Ⓐ Ten $1-bills, Nine $5-bills
Ⓑ Nine $1-bills and Eight $5-bills
Ⓒ Eight $1-bills and Seven $5-bills
Ⓓ Seven $1-bills and Six $5-bills

5. Which of the following is an example of a pun?

Ⓐ A boiled egg every morning is hard to beat.
Ⓑ Nicholas went to buy some camouflage pants the other day, but he couldn't find any.
Ⓒ Our social studies teacher says her globe means the world to her.
Ⓓ all of the above

6. What literary elements can add humor to a story?

Ⓐ pun
Ⓑ setting or situation
Ⓒ irony
Ⓓ all of the above

7. What is the best definition of irony?

Ⓐ interesting dialogue between characters
Ⓑ a scene in which something is complex and difficult to understand
Ⓒ surprising, funny, or interesting contradictions
Ⓓ a line that is straight to the point

From Chapter 5 of Peter Pan by J.M. Barrie

Read the story below and answer the questions that follow.

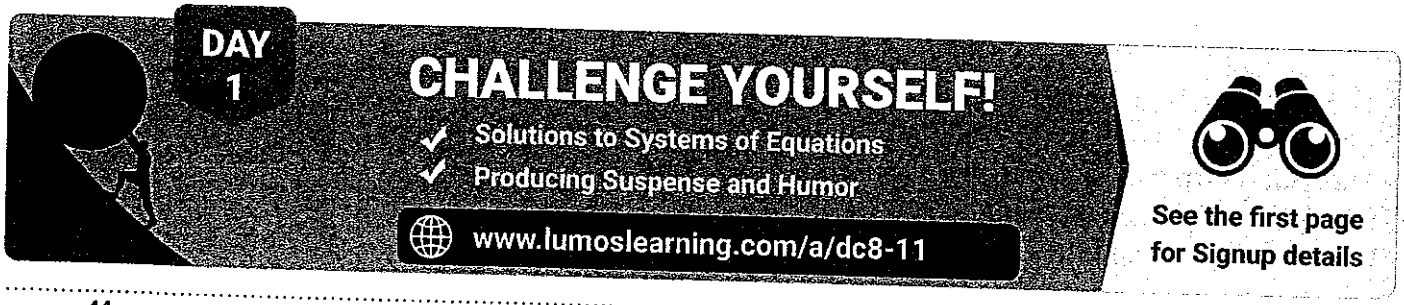
The Tempest, Act III, Scene II [Be not afeard]

William Shakespeare, 1564 - 1616

Caliban speaks to Stephano and Trinculo.

Be not afeard; the isle is full of noises,
Sounds and sweet airs, that give delight, and hurt not.
Sometimes a thousand twangling instruments
Will hum about mine ears; and sometime voices,
That, if I then had waked after long sleep,
Will make me sleep again: and then, in dreaming,
The clouds methought would open, and show riches
Ready to drop upon me; that, when I waked,
I cried to dream again.

8. Describe what not to be afraid of? Write your answer in the box below.



1. Find the solution to the following system of equations:
$13x + 3y = 15$ and $y = 5 - 4x$.

Ⓐ $x = 0, y = 5$
Ⓑ $x = 5, y = 0$
Ⓒ $x = 9, y = -31$
Ⓓ All real numbers are solutions.

2. Solve the system:
$y = 2x + 5$
$y = 3x - 7$

Ⓐ $x = 12, y = 29$
Ⓑ $x = 3, y = 11$
Ⓒ $x = 5, y = -2$
Ⓓ $x = -1, y = 3$

3. Solve the system:
$2x + 3y = 14$
$2x - 3y = -10$

Ⓐ $x = 1, y = 4$
Ⓑ $x = 2, y = 12$
Ⓒ $x = 4, y = 2$
Ⓓ $x = 10, y = 10$

4. Which of these will have one solution?

Note that more than one option may be correct. Select all the correct answers.

Ⓐ $y=\frac{3}{4}x+1$
$y=-\frac{1}{2}x-4$

Ⓑ $y=-3x+2$
$3x+y=-4$

Ⓒ $y=\frac{1}{3}x-3$
$2x+y=4$

Ⓓ $-x+2y=-2$
$4y=2x-4$

Casey Jones-A Tennessee Legend -retold by S.E. Schlosser

Read the story below and answer the questions that follow.

Casey Jones, that heroic railroad engineer of the Cannonball, was known as the man who always brought the train in on time. He would blow the whistle, so it started off soft but would increase to a wail louder than a banshee before dying off so that people would recognize that whistle and know when Casey was driving past.

April 29, 1900, Casey brought the Cannonball into Memphis dead on time. As he was leaving, he found out one of the other engineers was sick and unable to make his run. So Casey volunteered to help out his friend. He pulled the train out of the station about eleven p.m., an hour and thirty-five minutes late. Casey was determined to make up the time. As soon as he could, he highballed out of Memphis (highballing means to go very fast and take a lot of risks to get where you are headed) and started making up for the lost time.

About four a.m., when he had nearly made up all the time on the run, Casey rounded a corner near Vaughn, Mississippi, and saw a stalled freight train on the track. He shouted for his fireman to jump. The fireman made it out alive, but Casey Jones died in the wreck, one hand on the brake and one on the whistle chord.

5. What medium of publication would be best to use if you wanted to make it possible for people to see Casey Jones operating the train?

Ⓐ a video
Ⓑ digital text
Ⓒ a traditional book
Ⓓ none of the above

6. What are the advantages of using media to present a particular topic or idea?

Ⓐ It can create a picture for viewers to see
Ⓑ It provides a clear voice for viewers to hear
Ⓒ both A and B
Ⓓ none of the above

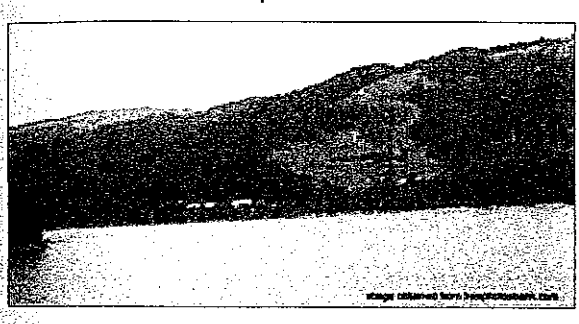
7. If you want to see one person's visual interpretation of a character's appearance, what medium of publication would be best to use?

Ⓐ movie version of a text
Ⓑ print text
Ⓒ digital text
Ⓓ none of the above

The Lake Isle of Innisfree

Read the poem below and answer the questions that follow.

I will arise and go now, and go to Innisfree,
And a small cabin build there, of clay and wattles made:
Nine bean-rows will I have there, a hive for the honey-bee;
And live alone in the bee-loud glade.
And I shall have some peace there, for peace comes dropping slow,
Dropping from the veils of the morning to where the cricket sings;
There midnight's all a glimmer, and noon a purple glow,
And evening full of the linnet's wings.
I will arise and go now, for always night and day
I hear lake water lapping with low sounds by the shore;
While I stand on the roadway, or on the pavements grey,
I hear it in the deep heart's core.



W. B. Yeats

About the poet:

William Butler Yeats was an Irish poet and a dramatist. He was one of the foremost figures of 20th-century literature and was the driving force behind the Irish literary revival. Together with Lady Gregory and Edward Martin, Yeats founded the Abbey Theater. He served as its chief during its early years and was a pillar of the Irish literary establishment in his later years.

The above well-known poem explores the poet's longing for the peace and tranquility of Innisfree, a place where he spent a lot of time as a boy. This poem is a lyric.

8. Part A
Which medium of publication, the poem or the picture, gives you a better visualization of the lake?

Ⓐ the picture
Ⓑ the poem
Ⓒ neither
Ⓓ both

8. Part B
Which medium of publication, the poem or the picture, appeals to more than one of the five senses?

Ⓐ the picture
Ⓑ the poem
Ⓒ neither
Ⓓ both

DAY 2

CHALLENGE YOURSELF!

✓ Solving Systems of Equations
✓ Media and Literature

www.lumoslearning.com/a/dc8-12

See the first page for Signup details

1. **Jorge and Jillian have cell phones with different service providers. Jorge pays $50 a month and $1 per text message sent. Jillian pays $72 a month and $0.12 per text message sent. How many texts would each of them have to send for their bill to be the same amount at the end of the month?**

Ⓐ 2 texts
Ⓑ 22 texts
Ⓒ 25 texts
Ⓓ 47 texts

2. **Mr. Stevens is 63 years older than his grandson, Tom. In 3 years, Mr. Stevens will be four times as old as Tom. How old is Tom?**

Ⓐ 17 years
Ⓑ 18 years
Ⓒ 20 years
Ⓓ 22 years

3. **Janet has packed a total of 50 textbooks and workbooks in a box, but she can't remember how many of each are in the box. Each textbook weighs 2 pounds, and each workbook weighs 0.5 pounds, and the total weight of the books in the box is 55 pounds. If t is the number of textbooks and w is the number of workbooks, which of the following systems of equations represents this situation?**

Ⓐ $t + w = 55$
$2t + 0.5w = 50$

Ⓑ $2t + w = 50$
$t + 0.5w = 55$

Ⓒ $t + w = 50$
$2t + 0.5w = 55$

Ⓓ $t + w = 55$
$2.5(t + w) = 50$

4. **The admission fee at a carnival is $3.00 for children and $5.00 for adults. On the first day 1,500 people enter the fair and $5740 is collected. How many children and how many adults attended the carnival?**

Select the correct system and answer. There can be more than one correct answer, choose all applicable ones.

Ⓐ $\begin{cases} 3c + 5a = 1500 \\ c + a = 5740 \end{cases}$

Ⓑ $\begin{cases} 3c + 5a = 5740 \\ c + a = 1500 \end{cases}$

Ⓒ a = 620, c = 880

Ⓓ a = 936, c = 564

5. What is a motif?

Ⓐ the major characters in the story
Ⓑ how the story ends
Ⓒ the plot
Ⓓ a recurring element or idea in a story

6. Which of the following is/are a popular motif(s) in traditional stories?

Ⓐ good vs. evil
Ⓑ a test of courage
Ⓒ children who are heroes
Ⓓ all of the above

The Ant and the Grasshopper Aesop's Fable

Read the story below and answer the questions that follow.

In a field, one summer's day, a grasshopper was hopping about, chirping and singing to its heart's content. A group of ants walked by, grunting as they struggled to carry plump kernels of corn. "Where are you going with those heavy things?" asked the grasshopper.

Without stopping, the first ant replied, "To our anthill. This is the third kernel I've delivered today." "Why not come and sing with me," teased the grasshopper, "instead of working so hard?"
"We are helping to store food for the winter," said the ant, "and think you should do the same." "Winter is far away, and it is a glorious day to play," sang the grasshopper. But the ants went on their way and continued their hard work.

The weather soon turned cold. All the food lying in the field was covered with a thick white blanket of snow that even the grasshopper could not dig through.

Soon the grasshopper found itself dying of hunger. He staggered to the ants' hill and saw them handing out corn from the stores they had collected in the summer. He begged them for something to eat. "What!" cried the ants in surprise, "haven't you stored anything away for the winter? What in the world were you doing all last summer?"

"I didn't have time to store any food," complained the grasshopper; "I was so busy playing music that before I knew it, the summer was gone."

The ants shook their heads in disgust, turned their backs on the grasshopper, and went on with their work.

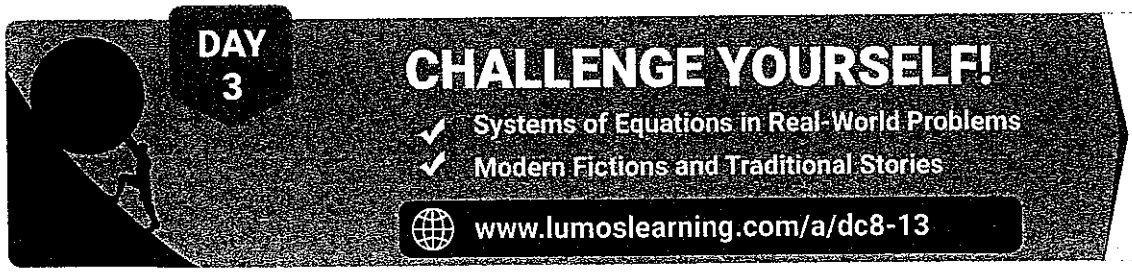
7. What is the lesson of this fable?

Ⓐ It's okay to have fun.
Ⓑ Do not help those around you.
Ⓒ Work hard to prepare for the future.
Ⓓ Listen to what you are told.

8. "When someone declares an event to be a ""modern day Cinderella story"" they mean _____ _____.

Fill in the blank after selecting the correct answer choice from the 4 options given below."

Ⓐ someone poor or common becomes successful
Ⓑ someone has evil step-sisters
Ⓒ someone rides a carriage
Ⓓ someone is the most beautiful in her family



See the first page for Signup details

1. Which of the following is NOT a function?

Ⓐ {(2, 3), (4, 7), (8, 6)}
Ⓑ {(2, 2), (4, 4), (8, 8)}
Ⓒ {(2, 3), (4, 3), (8, 3)}
Ⓓ {(2, 3), (2, 7), (8, 6)}

2. Which of the following tables shows that y is a function of x?

Ⓐ

x	y
1	4
1	7
4	7

Ⓑ

x	y
1	7
3	8
4	7

Ⓒ

x	y
3	2
3	7
4	8

Ⓓ

x	y
3	7
4	7
4	9

3. If y is a function of x, which of the following CANNOT be true?

Ⓐ A particular x value is associated with two different y values.
Ⓑ Two different x values are associated with the same y value.
Ⓒ Every x value is associated with the same y value.
Ⓓ Every x value is associated with a different y value.

4. Select the sets of ordered pairs that represent a function.

There can be more than one correct option. Select all the correct options.

Ⓐ {(1,1),(2,2),(3,3),(4,4)}
Ⓑ {(1,-2),(-2,0),(-1,2),(1,3)}
Ⓒ {(-2,3),(0,1),(2,-1),(3,-2)}
Ⓓ {(-1,7),(0,-3),(1,10),(0,7)}

5. What is an inference?

Ⓐ an answer that is clearly stated in the text
Ⓑ a logical conclusion drawn from evidence in a text
Ⓒ an opinion made from reading a text
Ⓓ a direct quotation found in the text

6. What is the proper way to make a direct citation from a text?

Ⓐ put the citation in italics
Ⓑ underline the citation
Ⓒ put the citation in quotes
Ⓓ make the citation bold

7. What is the best way to cite evidence from a text?

Ⓐ summarize
Ⓑ paraphrase
Ⓒ in quotes
Ⓓ all of the above

Read the information below and answer the questions that follow.

Stephen and Joseph Montgolfier were papermakers, but they had been interested in flying for many years. One night, in 1782, Joseph noticed something that gave him an idea. He was sitting in front of the fire when he saw some small pieces of scorched paper being carried up the chimney.

Soon afterwards, the brothers conducted an experiment. They lit a fire under a small silk bag, which was open at the bottom; at once, the bag rose to the ceiling. After this, Stephen and Joseph conducted many more experiments, both indoors and in the open air. Eventually, they built a huge balloon of linen and paper. On June 5th, 1783, they launched their balloon in the village of Annonay.

8 Part A
Which specific detail in the passage describes the first experiment the brothers did?

Ⓐ Stephen and Joseph Montgolfier were papermakers, but they had been interested in flying for many years.
Ⓑ He was sitting in front of the fire when he saw some small pieces of scorched paper being carried up the chimney.
Ⓒ After this, Stephen and Joseph conducted many more experiments, both indoors and in the open air.
Ⓓ They lit a fire under a small silk bag, which was open at the bottom; at once, the bag rose to the ceiling.

8 Part B
The reader can tell from the article that Joseph Montgolfier was very observant because

Ⓐ He created a balloon from paper and linen.
Ⓑ He noticed the small pieces of burnt paper being carried up the chimney.
Ⓒ He found the best location to launch the balloon.
Ⓓ He was interested in flying.

DAY 4

CHALLENGE YOURSELF!

✓ Functions
✓ Making Inferences Based on Textual Evidence

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1. **A set of instructions says to subtract 5 from a number n and then double that result,calling the final result p. Which function rule represents this set of instructions?**

Ⓐ $p = 2(n - 5)$
Ⓑ $p = 2n - 5$
Ⓒ $n = 2(p - 5)$
Ⓓ $n = 2p - 5$

2. **Which of the following linear functions is represented by the (x, y) pairs shown in the table below?**

x	y
-3	-1
1	7
4	13

Ⓐ $y = x + 2$
Ⓑ $y = 2x + 5$
Ⓒ $y = 3x + 1$
Ⓓ $y = 4x + 3$

3. **Three (x, y) pairs of a linear function are shown in the table above. Which of the following functions has the same slope as the function shown in the table?**

x	y
0	3
1	5
2	7

Ⓐ $y = 3x + 2$
Ⓑ $y = 2x - 4$
Ⓒ $y = x + 3$
Ⓓ $y = x - 1$

4. **Put the correct inequality or equality sign between the rates of change of the two functions given below.**

Instruction : Take f to be the first function {(0, 0), (3, 180), (6, 360), (9, 540)} and g to be the second function y = 100x

{(0, 0), (3, 180), (6, 360), (9, 540)} ☐ $y = 100x$

5. What is a central idea?

Ⓐ the idea stated in the topic sentence
Ⓑ the theme of a piece of literature
Ⓒ a piece of informational text is mainly about someone
Ⓓ the main idea of a piece of informational text

6. What statement(s) is/are true about a central idea?

Ⓐ It can sometimes be found in the title of the text.
Ⓑ It is supported by the details in the text.
Ⓒ It covers the whole text.
Ⓓ all of the above

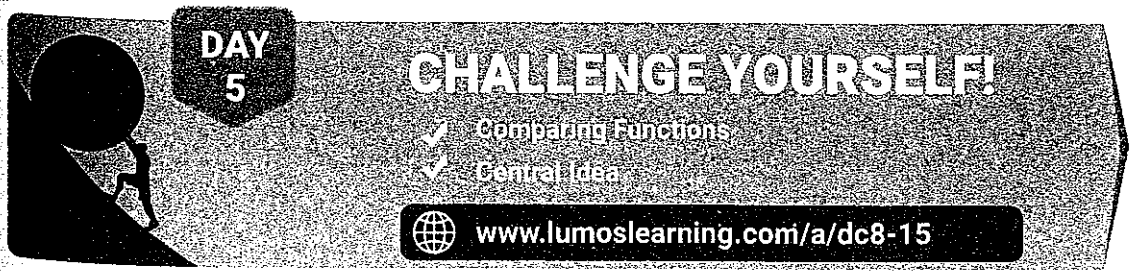
7. When determining the central idea of a text, it is important not to confuse it with:

Ⓐ the topic
Ⓑ the details
Ⓒ none of the above
Ⓓ both A & B

Read the information below and answer the questions that follow.
Learning how to ride a bike is no easy task. Most people learn as children and mount their first bicycle with training wheels mounted on the sides of the back tires. Those training wheels eventually come off. When that happens, usually someone runs behind the bicycle, holding the back of the seat as the rider learns to balance on two wheels. As the runner runs back and forth down the street, the rider eventually picks up on how to lean to stay up on two wheels. Eventually, the runner lets go of the seat, and the rider rides off on his or her own.

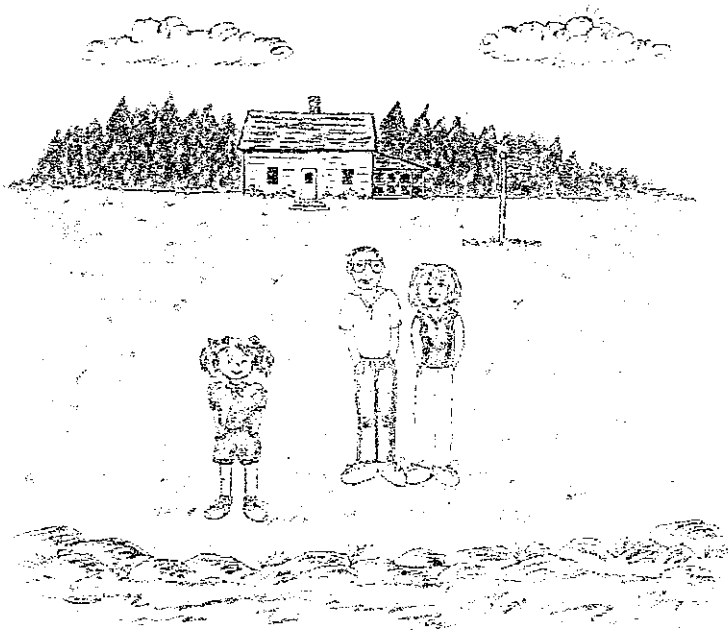
8. What is the central idea of this passage? Circle the correct answer choice.

Ⓐ learning how to run behind a new rider
Ⓑ how to take training wheels off a bicycle
Ⓒ learning how to ride a two wheel bicycle
Ⓓ none of the above



See the first page for Signup details

DRAW AND COLOR



THIS WEEK'S ONLINE ACTIVITIES

- ✓ Reading Assignment
- ✓ Vocabulary Practice
- ✓ Write Your Summer Diary

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WEEKLY FUN SUMMER PHOTO CONTEST

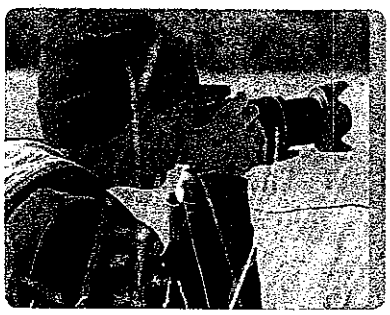
Take a picture of your summer fun activity and share it on Twitter or Instagram

Use the #SummerLearning mention

@LumosLearning on **Twitter**

@lumos.learning on **Instagram**

Tag friends and increase your chances of winning the contest.



PARTICIPATE AND STAND A CHANCE TO WIN $50 AMAZON GIFT CARD!

WEEK 4
SUMMER PRACTICE

LINEAR FUNCTIONS

DAY 1

1. A linear function includes the ordered pairs (2, 5), (6, 7), and (k, 11). What is the value of k?

Ⓐ 8
Ⓑ 10
Ⓒ 12
Ⓓ 14

2. Which of the following functions is NOT linear?

Ⓐ $f(x) = x + 0.5$
Ⓑ $f(x) = -x + 0.5$
Ⓒ $f(x) = x^2 + 0.5$
Ⓓ $f(x) = 0.5x$

3. Which of the following functions is linear and includes the point (3, 0)?

Ⓐ $f(x) = 3/x$
Ⓑ $f(x) = x - 3$
Ⓒ $f(x) = 3$
Ⓓ $f(x) = 3x$

4. Write whether this represents a linear or non-linear function.

$2x^2+3y=10$

5. What does it mean to make a distinction?

Ⓐ to find a similarity
Ⓑ to find a difference
Ⓒ to draw a conclusion
Ⓓ to point out a fact

6. What does it mean to make a connection?

Ⓐ to find a similarity
Ⓑ to find a difference
Ⓒ to draw a conclusion
Ⓓ to point out a fact

Read the information below and answer the questions that follow.

Archaeology is the study of past human life and culture through systematically examining and interpreting the material remains left behind. These material remains include archaeological sites (e.g., settlements, building features, graves), as well as cultural materials or artifacts such as tools and pottery. Through the interpretation and classification of archaeological materials, archaeologists work to understand past human behavior. In some countries, archaeology is often historical or art historical, with a strong emphasis on culture history, archaeological sites, and artifacts such as art objects. In the New World, archaeology can be either a part of history and classical studies or anthropology.

The exact origins of archaeology as a discipline are uncertain. Excavations of ancient monuments and the collection of antiquities have been taking place for thousands of years. It was only in the 19th century, however, that the systematic study of the past through its physical remains underwent professionalization, which meant it began to be carried out in a manner recognizable to modern students of archaeology.

7. What is similar between New World archeology and archeology of the past?

Ⓐ They both focus on history.
Ⓑ They both focus on art.
Ⓒ They both focus on culture.
Ⓓ all of the above

Read the information below and answer the questions that follow.

Training for a marathon takes hard work and perseverance. It is not something you can do on the spur of the moment. Preparing for a marathon takes months, particularly if you have never run a marathon before. The official distance of a full marathon is 26.2 miles. In 2005, the average time to complete a marathon in the United States was 4 hours 32 minutes 8 seconds for men and 5 hours 6 minutes 8 seconds for women.

Most people who run marathons are not trying to win. Many runners try to beat their own best time. Some compare their time to other runners in the same gender and age group. Some people set time-oriented goals, such as finishing under four hours, while others try to complete the race without slowing to a walk. Many beginners simply hope to finish the marathon.

Trainers recommend that beginners maintain a consistent running schedule for six weeks prior to even starting a marathon training program. The purpose of this is to allow the body to adapt to the various physical demands of long-distance running. First-time marathon runners should train by running four days a week for at least four months, increasing distance by no more than ten percent weekly. As race day approaches, runners should taper their runs, reducing the strain on their bodies and resting before the marathon. It is important not to overexert yourself during training because that can lead to a lot of injuries. Most common injuries are spraining of the knees and ankles. These sprains can hinder the training.

Before the race, it is important to stretch in order to keep muscles limber. Staying hydrated is also important, but there is a danger in drinking too much water. If a runner drinks too much water, they may experience a dangerous condition called hyponatremia, a drop of sodium levels in the blood. So only drink water when you are thirsty. During the race, trainers recommend maintaining a steady pace. It is normal to feel sore after a marathon. Light exercise will help sore muscles heal faster.

Some people run marathons in pairs or groups. Training for and running a marathon with another person or group of people can make the experience more enjoyable and more rewarding. A running partner might be just the motivation you need to show up for an early morning run instead of rolling over to hit the snooze button. And, when you cross the finish line together, you can share the satisfaction of reaching your common goal.

Usually, thousands of people sign up and run a Marathon. Most people finish the race. The thrill of running a marathon for the first time is unbelievable. The training sessions are harder if you have never run before. But it is unbelievable what ones' body can do when one puts their mind to it. Having a good coach to support you makes all the difference in training for a marathon.

The daily runs are very important. Strength training and core training are also very important.

The health benefits you gain from training are tremendous. Your core muscles grow stronger, and you will have tighter thighs and gluts. Your heart will be much stronger, and you can maintain lower cholesterol and blood sugar levels. Overall, you will look better and become healthier.

Nothing can explain how people feel when they reach that finish line at the end of the race. All the hard work and months of training

feel worthwhile. The feeling of accomplishing something great overtakes you. It is great to run a marathon, but it is even greater to finish it.

8. Part A
How is a marathon competition different than most competitions?

Ⓐ Runners compete against themselves to beat past times.
Ⓑ Runners do not compete against each other.
Ⓒ Runners set their own personal records.
Ⓓ all of the above

8. Part B
What makes marathon running similar to other competitive sports?

Ⓐ health benefits
Ⓑ trophies
Ⓒ winning
Ⓓ numbers of people

DAY 1
CHALLENGE YOURSELF!
✓ Linear Functions
✓ Connections and Distinctions
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1. If a graph includes the points (2, 5) and (8, 5), which of the following must be true?

Ⓐ It is the graph of a linear function.
Ⓑ It is the graph of an increasing function.
Ⓒ It is not the graph of a function.
Ⓓ None of the above

2. The graph of a linear function y = mx + 2 goes through the point (4, 0). Which of the following must be true?

Ⓐ m is negative.
Ⓑ m = 0
Ⓒ m is positive
Ⓓ Cannot be determined.

3. The graph of a linear function y = 2x + b passes through the point (-5, 0). Which of the following must be true?

Ⓐ b is positive.
Ⓑ b is negative.
Ⓒ b = 0
Ⓓ Cannot be determined.

4. Match each slope and coordinates of point with the correct equation

	y=−4x−3	y=7x-5	y=-x+2
(1, 2) slope=7	○	○	○
(-2, 5) slope=-4	○	○	○
(3, -1) slope=-1	○	○	○

5. What is connotation?

Ⓐ a dictionary definition
Ⓑ what a word means based on its context in a story
Ⓒ a word with multiple meanings
Ⓓ an opinion based on fact

6. What is denotation?

Ⓐ a dictionary definition
Ⓑ what a word means based on its context in a story
Ⓒ a word that has a meaning that has changed over time
Ⓓ an opinion based on fact

Read the information below and answer the questions that follow.

The Emperor Penguin is the only penguin species that breeds during the Antarctic winter. It treks 31–75 miles over the ice to breeding colonies, which may include thousands of penguins. The female lays a single egg, which is then incubated by the male while the female returns to the sea to feed; parents subsequently take turns foraging at sea and caring for their chick in the colony. The average lifespan of the Emperor Penguin is 20 years, although observations suggest that some Emperor Penguins may live to 50 years of age.

7. Based on how the word "trek" is used in the passage, determine its meaning.

Ⓐ to fly a long distance
Ⓑ to circulate in a specific area
Ⓒ to walk a long-distance
Ⓓ to live a long life

Read the information below and answer the questions that follow.

From Chapter 2 of Bullets and Billets by Bruce Bainsfather

I stood in a queue of Gordons, Seaforths, Worcesters, etc., slowly moving up one, until, finally arriving at the companion (nearly said staircase), I tobogganed down into the hold, and spent what was left of the night dealing out those rations. Having finished, at last, I came to the surface again, and now, as the transport glided along through the dirty waters of the river, and as I gazed at the motley collection of Frenchmen on the various wharves, and saw a variety of soldiery, and a host of other warlike "props," I felt acutely that now I was in the war at last—the real thing! For some time, I had been rehearsing in England; but that was over now, and here I was—in the common or garden vernacular—"in the soup."

8. Part A
Based on how they are used to begin the passage, what are "Gordons, Seaforths, and Worcesters?

Ⓐ ranks in an army
Ⓑ types of holding facilities on a ship
Ⓒ different destinations on the journey
Ⓓ none of the above

8. Part B
The author is using what type of figurative language to compare war to a theater in the above passage.

Ⓐ implied metaphor
Ⓑ simile
Ⓒ imagery
Ⓓ allusion

DAY 2
CHALLENGE YOURSELF!
✓ Linear Function Models
✓ Determining Meaning of Words
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1. Complete the following:
The cost per copy is a function of the number of copies of any one title purchased.
This implies that _____

Ⓐ the cost per copy of any one title is always a constant.
Ⓑ the cost per copy of any one title will change based on the number of copies purchased.
Ⓒ the cost per copy of any one title is not related to the number of copies purchased.
Ⓓ None of the above.

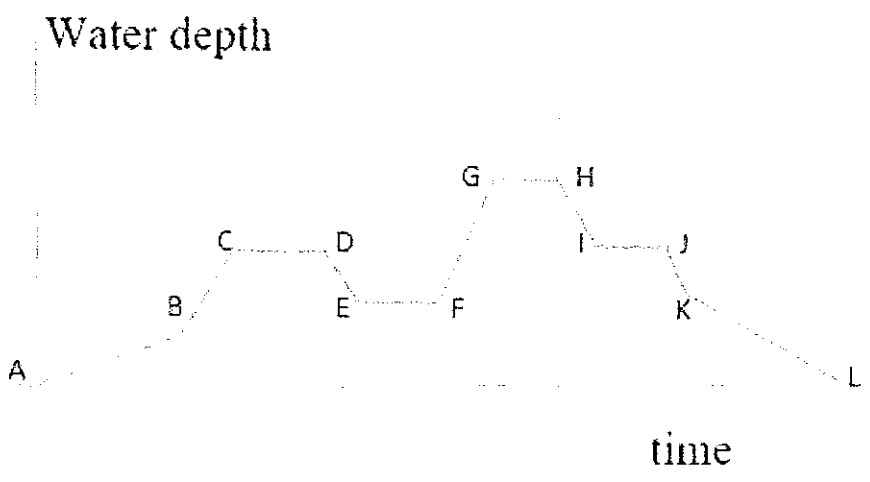
2. If a student's math grade is a positive function of the number of hours he spends preparing for a test, which of the following is correct?

Ⓐ The more he studies, the lower his grade.
Ⓑ The more he studies, the higher his grade.
Ⓒ There is no relation between how much he studies and his grade.
Ⓓ The faster he finishes his work, the higher his grade will be.

3. Mandy took a math quiz and received an initial score of i. She retook the quiz several times and, with each attempt, doubled her previous score.
After a TOTAL of four attempts, her final score was _____.

Ⓐ $2i$
Ⓑ $3i$
Ⓒ 2^3i
Ⓓ None of the above.

4. Observe the graph given.
Match each segment to whether it is increasing or decreasing as per the graph.



	INCREASING	DECREASING	CONSTANT
A to B	○	○	○
B to C	○	○	○
G to H	○	○	○
I to J	○	○	○
J to K	○	○	○
K to L	○	○	○
C to D	○	○	○
E to F	○	○	○
D to E	○	○	○
F to G	○	○	○
H to I	○	○	○

5. What should you look at when analyzing the structure of a piece of text?

Ⓐ the genre of writing
Ⓑ the author's purpose
Ⓒ the types of transition words that are being used
Ⓓ all of the above

6. What type of writing has the following literary elements: characters, conflict, setting, and plot?

Ⓐ nonfiction
Ⓑ fiction
Ⓒ technical
Ⓓ poetry

7. If you saw words such as, "unlike", "as well as", "on the other hand", and "in contrast", what would you think the author's purpose was?

Ⓐ to persuade
Ⓑ to compare
Ⓒ to entertain
Ⓓ wouldn't be able to tell

Archaeology	History of Mankind
Archaeology is the study of past human life and culture through systematically examining and interpreting the material remains left behind. These material remains include archaeological sites (e.g., settlements, building features, graves), as well as cultural materials or artifacts such as tools and pottery. Through the interpretation and classification of archaeological materials, archaeologists work to understand past human behavior. In some countries, archaeology is often historical or art historical, with a strong emphasis on cultural history, archaeological sites, and artifacts such as art objects. In the New World, archaeology can be either a part of history and classical studies or anthropology.	History is about events that happened in the past. It is like an interesting and exciting series of stories. However, these stories are not like the many fairy tales you may have read. These stories are about real people and events that have really happened. It tells us about the lives of great men_ Some were great rulers who fought battles and conquered lands. Some were famous teachers, writers, explorers, scientists, artists, and musicians. They performed great deeds and showed people how to lead productive lives. History tells us how early civilization began. It describes how those people lived, how they got their food, and how they built their villages and cities.

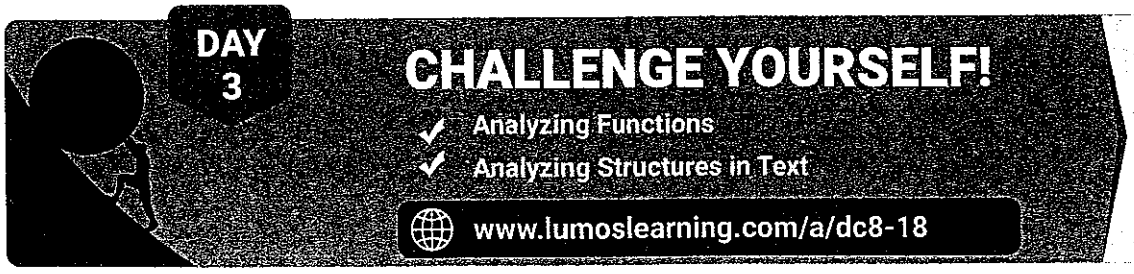
The exact origins of archaeology as a discipline are uncertain. Excavations of ancient monuments and the collection of antiquities have been taking place for thousands of years. It was only in the 19th century, however, that the systematic study of the past through its physical remains began to be carried out in a manner recognizable to modern students of archaeology.	How do we have a record of events from long ago? In recent years. People have excavated ruins of old cities that were buried deep beneath the ground. We can learn about the people who lived in the lost cities by carefully examining artifacts found in these sites. Some of the items include sharp stones used for hunting, pots, and pans used for cooking and beads and necklaces used as jewelry. These items offer some clues about the life of people who lived during that time.

8. Part A
Both passages focus on _____.

Ⓐ the method of finding artifacts.
Ⓑ learning more about the past.
Ⓒ why history is taught in school.
Ⓓ events in history.

8. Part B
What comparison can be made between the two passages?

Ⓐ Both passages are about human life in the past.
Ⓑ Both passages are about mummies.
Ⓒ Both A and B.
Ⓓ None of the above.



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1. The point (4, 3) is rotated 90° clockwise about the origin. What are the coordinates of the resulting point?

Ⓐ (-3, 4)
Ⓑ (-4, 3)
Ⓒ (4, -3)
Ⓓ (3, -4)

2. A line segment has a length of 9 units. After a certain transformation is applied to the segment, the new segment has a length of 9 units. What was the transformation?

Ⓐ A rotation
Ⓑ A reflection
Ⓒ A translation
Ⓓ Any of the above transformations.

3. The point (2, 4) is rotated 180° clockwise about the origin. What are the coordinates of the resulting point?

Ⓐ (-2, -4)
Ⓑ (-2, 4)
Ⓒ (2, -4)
Ⓓ (2, 4)

4. Enter the correct operation that will describe the rule for the translation left 3 units and up 4 units?

(x, y) --> (x ☐ 3, y ☐ 4)

5. What is point of view?

Ⓐ a character's view of the action in a story
Ⓑ the perspective from which a story is told
Ⓒ where the author is when writing a story
Ⓓ the view of the character in the story

6. Which type of point of view uses the pronouns, "I" "me" and "my"?

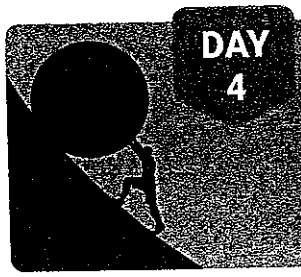
Ⓐ first person
Ⓑ third person omniscient
Ⓒ third person limited
Ⓓ second person

7. When the narrator is one of the characters in the story, what point of view is the story being told from?

Ⓐ First person
Ⓑ Third person omniscient
Ⓒ Third person limited
Ⓓ second person

8. "Often when reading a magazine you will come across advertisements. These advertisements are meant to: Circle the correct answer choice."

Ⓐ show the reader a product
Ⓑ persuade the reader to buy the product
Ⓒ introduce the reader to the product
Ⓓ provide the reader with a break from stories



DAY 4

CHALLENGE YOURSELF!

✓ Transformations of Points & Lines
✓ Author's Point of View

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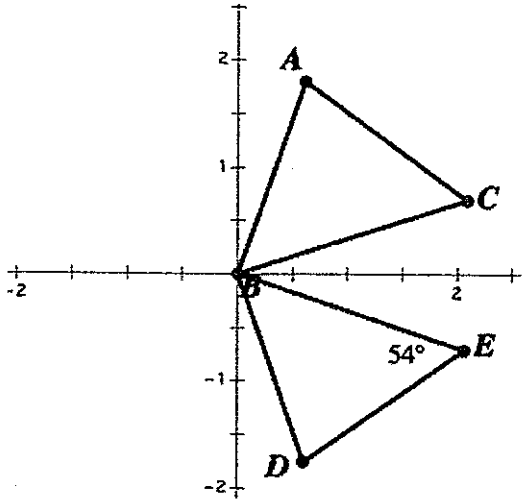
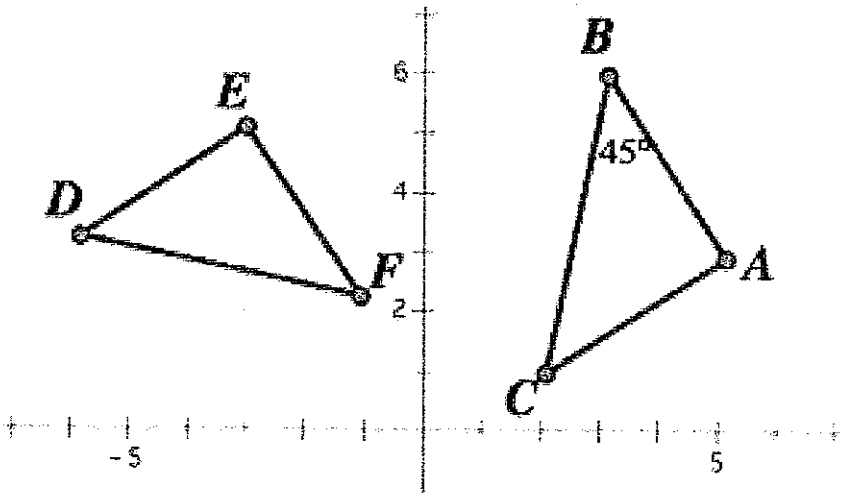
1. ΔABC is reflected across the x-axis. Which two angles are equivalent?



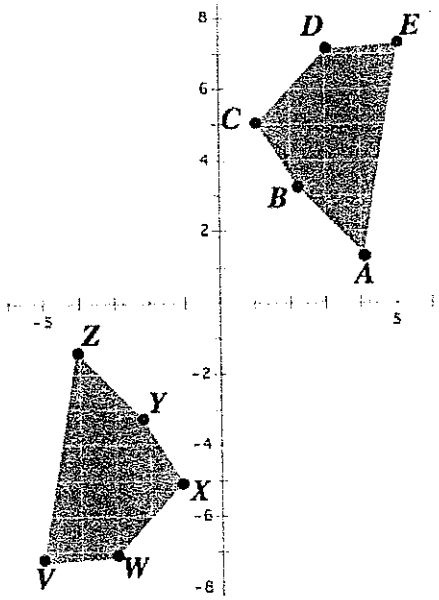
Ⓐ ∠A and ∠C
Ⓑ ∠A and ∠E
Ⓒ ∠C and ∠D
Ⓓ ∠C and ∠E

2. ΔABC is rotated 90°. Which two angles are equivalent?



Ⓐ ∠A and ∠C
Ⓑ ∠B and ∠E
Ⓒ ∠C and ∠D
Ⓓ ∠C and ∠F

3. What rigid transformation should be used to prove angle ?



Ⓐ Reflection
Ⓑ Rotation
Ⓒ Translation
Ⓓ None of the above

4. Select the angle measure that corresponds with each transformation. Your preimage has an angle measure of 30°.

	30°	60°	90°
Translation	○	○	○
Reflection	○	○	○
Rotation	○	○	○
Dilation	○	○	○

5. **Which of the following is important to consider when reading a text online?**

Ⓐ evaluate the background of the source
Ⓑ look for why the information is being provided
Ⓒ check the date of the source
Ⓓ all of the above

6. **You want to write a short piece that people can respond to immediately and publicly. What is the best place to do this?**

Ⓐ a web page
Ⓑ the local newspaper
Ⓒ the national newspaper
Ⓓ a magazine

7. **You are writing an article about the stresses involved in being a high school student and what to do about them. What is the best medium/media of publication?**

Ⓐ a magazine for teenagers
Ⓑ a website aimed at teenagers
Ⓒ a national newspaper
Ⓓ both A and B

8. **What is the best place to search for a specific recipe you need in a hurry? Circle the correct answer choice.**

Ⓐ Internet
Ⓑ magazine
Ⓒ newspaper
Ⓓ recipe books

DAY 5

CHALLENGE YOURSELF!

- ✓ Transformations of Angles
- ✓ Publishing Mediums

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6 WAYS TO BECOME A WAKE BOARD WHIZ

1. Relax and be Patient

Relaxing on the board helps you get a better center of gravity, which keeps you stable on the board. The more loose and relaxed you are, the better balance you will have. Bend your knees, stay low to the board, keep your arms straight and let the boat pull you. Focus on staying balanced first, you can try the fancy tricks when you get more comfortable on the board.

2. Know Which Foot Goes First

Once you're up on the board, figure out which foot you want to be forward. The two ways you can position your feet are "regular" and "goofy". The "regular" position is when the left foot is forward on the board and "goofy" is when the right foot leads. Don't let the names of the positions sway you to choose a certain way, both stances are totally normal, just choose to lead with whichever foot is more comfortable and feels natural.

3. Control your Board

Once you are totally comfortable standing on the board, you can practice controlling the board. Controlling the board allows you to decide which way you are going and lays the foundation for future, more complicated, tricks. To control the board, you want to lean away from the boat, shift your weight to your heels, and "carve" through the water by transferring your weight to your toes and back again.

4. Practice on Land

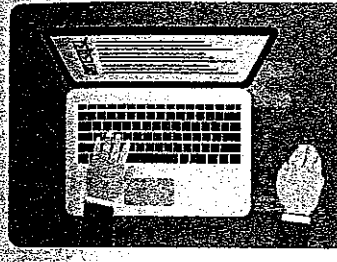
Thankfully, there are many ways to practice your wakeboard skills during the colder seasons that don't involve getting into freezing water. While on land, you can practice different balance exercises, like yoga, or you could invest in a balance board. A balance board is a board with a wheel in the middle that can be used indoors. To use it, you put your foot on either side of the board and try to stay stable to improve your balance. Once you get better at balance, you can also try doing tricks on your balance board. This type of board improves your balance and strengthens your ankles, which will help you significantly once it's time to get back in the water. You can also practice on land through skateboarding or snowboarding. Both use similar muscles and can help you practice your balance, which lets you practice your skills on the off season.

5. Lift More Weights

You might not think that lifting weights and getting stronger would help your wakeboarding skills, but it does. Wakeboarding uses so many muscles that you don't even think about- Biceps, abdominals, back, legs, forearms, etc. It truly is a sport that exercises the whole body, which is why it is important to strength train. Having strong muscles helps your balance on the board, your ability to do tricks, and allows you to get better faster than someone who does not weight train. Strength training also helps prevent injuries, as the stronger you are, the easier it will be to ride with correct form.

6. Try some Tricks

Once you have the basics down, you can start practicing tricks. One of the most basic tricks is an Ollie. An ollie is simply a jump that you do while on the board. To do an ollie, get up on the board and begin riding. Once you feel comfortable on the board, shift your weight to your back leg and lift your front leg quickly, pushing off from the water from the back of the board. Once you're in the air, bring your back leg up to the same level as your front leg to level the board. When landing, try to keep the board flat, putting equal pressure on both of your feet. This keeps your board from braking and you from falling off. Once you perfect the ollie, you can start doing more complicated tricks.



THIS WEEK'S ONLINE ACTIVITIES

- ✓ Reading Assignment
- ✓ Vocabulary Practice
- ✓ Write Your Summer Diary

www.lumoslearning.com/a/slh8-9

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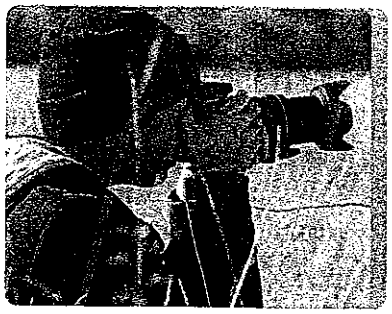
WEEKLY FUN SUMMER PHOTO CONTEST

Take a picture of your summer fun activity and share it on Twitter or Instagram

Use the #SummerLearning mention

@LumosLearning on Twitter	@lumos.learning on Instagram

Tag friends and increase your chances of winning the contest.



PARTICIPATE AND STAND A CHANCE TO WIN $50 AMAZON GIFT CARD!

WEEK 5
SUMMER PRACTICE

TRANSFORMATIONS OF PARALLEL LINES

DAY 1

1. **Two parallel line segments move from Quadrant One to Quadrant Four. Their slopes do not change. What transformation has taken place?**

Ⓐ Reflection
Ⓑ Translation
Ⓒ Dilation
Ⓓ This is not a transformation.

2. **Two parallel line segments move from Quadrant One to Quadrant Four. Their slopes change from a positive slope to a negative slope. What transformation has taken place?**

Ⓐ Reflection
Ⓑ Rotation
Ⓒ Translation
Ⓓ It could be either a rotation or a reflection.

3. **Two parallel line segments move from Quadrant One to Quadrant Two. Their slopes change from a negative slope to a positive slope. What transformation has taken place?**

Ⓐ Reflection
Ⓑ Rotation
Ⓒ Translation
Ⓓ It could be either a rotation or a reflection.

4. **Select what concepts are preserved under these different transformations. Select all that apply.**

	Lengths of sides	Angle Measures	Parallel Sides on Figure
Translation	☐	☐	☐
Reflection	☐	☐	☐
Rotation	☐	☐	☐
Dilation	☐	☐	☐

5. What is an author's claim?

Ⓐ his or her argument
Ⓑ the support for his or her argument
Ⓒ his or her opinion
Ⓓ the facts for the argument

6. What evidence must you look at in evaluating an author's claim?

Ⓐ the argument itself
Ⓑ the support that the author provides to back up his or her argument
Ⓒ the author's opinion about that which he or she is arguing
Ⓓ how many people support the argument.

7. What is the best way to determine the accuracy of evidence provided by the author?

Ⓐ ask somebody
Ⓑ personal experience
Ⓒ look it up on the computer, any site will do
Ⓓ do your own research

8. Determine whether the following statement is a fact, supported opinion, or unsupported opinion:

Texas is the hottest state in the United States.

Write your answer in the box given below.

DAY 1

CHALLENGE YOURSELF!

✓ Transformations of Parallel Lines
✓ Evaluating Authors Claims

www.lumoslearning.com/a/dc8-21

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1. Which of the following examples best represents congruency in nature?

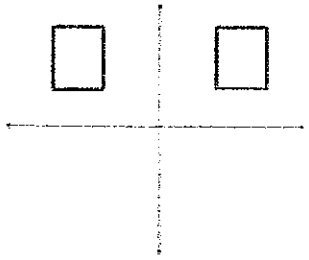
Ⓐ A mother bear and her cub.
Ⓑ The wings of a butterfly.
Ⓒ The tomatoes picked from my garden.
Ⓓ The clouds in the sky.

2. If triangle ABC is drawn on a coordinate plane and then reflected over the vertical axis, which of the following statements is true?

Ⓐ The reflected triangle will be similar ONLY to the original.
Ⓑ The reflected triangle will be congruent to the original.
Ⓒ The reflected triangle will be larger than the original.
Ⓓ The reflected triangle will be smaller than the original.

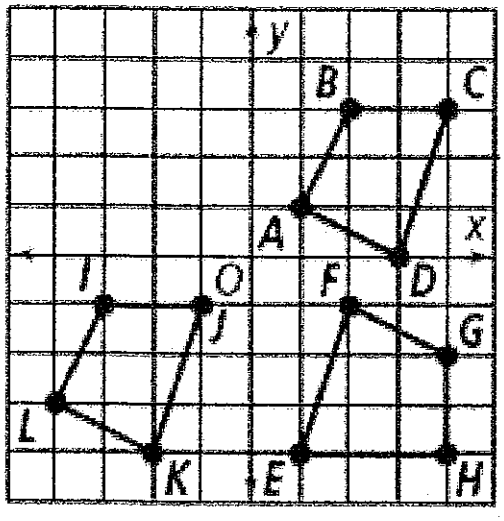
3. What transformation was applied to the object in quadrant 2 to render the results in the graph below?

Ⓐ reflection
Ⓑ rotation
Ⓒ translation
Ⓓ not enough information



4. Quadrilateral ABCD is translated 5 units to the left and 4 units down. Which congruent quadrilateral match this transformation?

Write your answer in the box given below



5. When you come across two conflicting viewpoints, what should you do?

Ⓐ research other sources to find out which fact is correct
Ⓑ look to see if the fact may have changed
Ⓒ examine the reliability of both writers
Ⓓ all of the above

6. Determine whether the writers are presenting conflicting information based on fact or interpretation.

Writer One: Geology is a branch of science.
Writer Two: Geology is a branch of math.

Ⓐ fact
Ⓑ opinion

7. Determine whether the writers are presenting conflicting information based on fact or interpretation.

Writer One: The president's sweater was too small.
Writer Two: The president's sweater fit him well.

Ⓐ fact
Ⓑ opinion

8. Determine whether the following is fact or opinion.

Bailey is wearing blue shoes.

Write your answer in the box given below.

DAY 2

CHALLENGE YOURSELF!

✓ Transformations of Congruency
✓ Conflicting Information

www.lumoslearning.com/a/dc8-22

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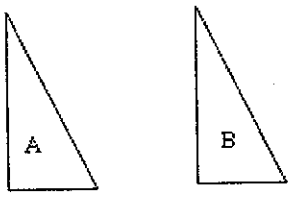
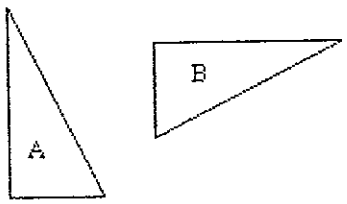
1. Which of the following transformations could transform triangle A to triangle B?

Ⓐ Rotation
Ⓑ Reflection
Ⓒ Translation
Ⓓ Dilation



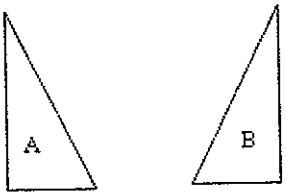
2. Which of the following transformations could transform triangle A to triangle B?

Ⓐ Rotation
Ⓑ Reflection
Ⓒ Translation
Ⓓ Dilation

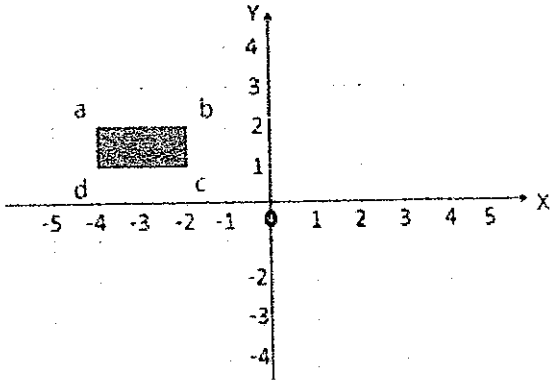


3. Which of the following transformations could transform triangle A to triangle B?

Ⓐ Rotation
Ⓑ Reflection
Ⓒ Translation
Ⓓ Dilation



4. Select the coordinates that will correspond with each transformation for point A.



	A(4, -2)	A(-2, 1)	A(-4, -2)
Translation (x+2, y-1)	○	○	○
Rotation 180°	○	○	○
Reflection over x-axis	○	○	○

5. What is an adjective?

Ⓐ a word that modifies (describes) a verb
Ⓑ a word that modifies (describes) a noun in a sentence
Ⓒ a word that modifies (describes) a sentence
Ⓓ a word that modifies (describes) descriptive words

6. What is an adverb?

Ⓐ a word that modifies (describes) adjectives
Ⓑ a word that modifies (describes) verbs
Ⓒ a word that modifies (describes) adverbs
Ⓓ a word that modifies (describes) descriptive words

7. A lot of people have trouble with the words "good" and "well". See if you can use them correctly in the following sentences by choosing the correct words in correct sequence.

a) I am _____.
b) Dinner was really _____ .
c) They are _____ baseball players.
d) You play really_____.

Ⓐ well, well, good, good
Ⓑ well, good, well, good
Ⓒ well, good, good, good
Ⓓ well, good, good, well

8. What is the adjective in the following sentence?

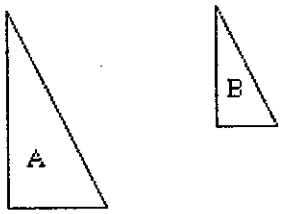
Greg bounced around the playground, happily playing on his new slide.

Write your answer in the box given below.

See the first page for Signup details

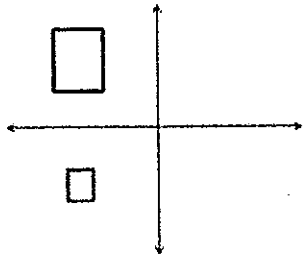
1. Which of the following transformations could transform triangle A to triangle B?

Ⓐ Rotation
Ⓑ Reflection
Ⓒ Translation
Ⓓ Dilation



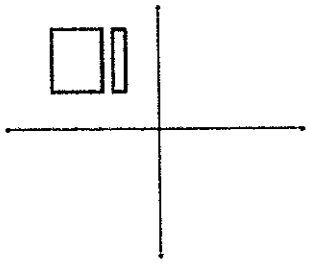
2. What transformations have been applied to the large object to render the results in the graph below?

Ⓐ reflection and dilation
Ⓑ rotation and translation
Ⓒ translation and dilation
Ⓓ None of the above

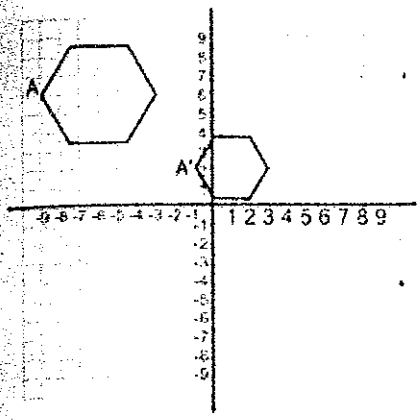


3. What transformations have been applied to the large object to render the results in the graph below?

Ⓐ no transformation
Ⓑ reflection and dilation
Ⓒ translation and dilation
Ⓓ rotation and dilation



4. **Select which transformations were used to map the pre-image onto the image. Also select if the transformation used leaves the figure congruent or if it only makes them similar.**



	Used	Similar only	Congruent
Translation	○	○	○
Rotation	○	○	○
Reflection	○	○	○
Dilation	○	○	○

5. Select the correct verb form to agree with the subject in the following sentence.

Either the teacher or the principal _____ going to contact you.

Ⓐ are
Ⓑ is
Ⓒ not
Ⓓ never

6. Which sentence shows the correct subject-verb agreement?

a) Neither the cat nor the dogs have been fed.
b) Neither the cat nor the dogs has been fed.

Ⓐ a
Ⓑ b

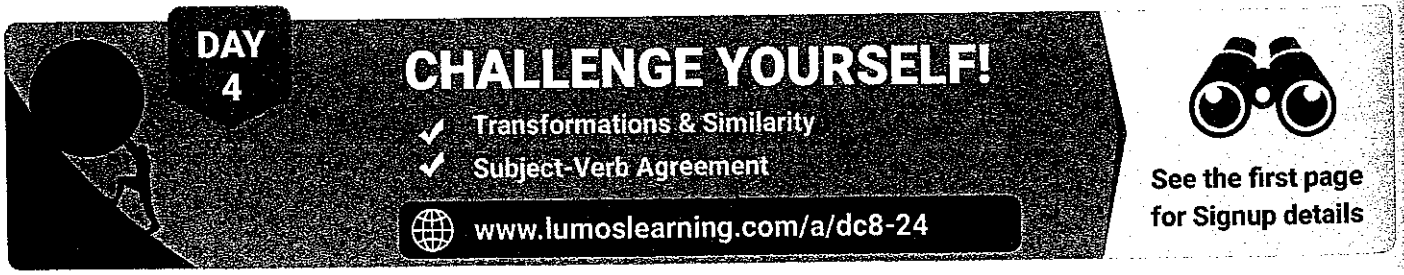
7. Select the correct verb form to agree with the subject in the following sentence.

_____ my sister or my parents going to pick me up?

Ⓐ Is
Ⓑ Are
Ⓒ you're
Ⓓ watching

8. Fill in the blank with the correct verb.

The boys and girls _____ very excited about the trip next week.

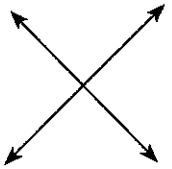


INTERIOR & EXTERIOR ANGLES IN GEOMETRIC FIGURES

DAY 5

1. What term describes a pair of angles formed by the intersection of two straight lines that share a common vertex but do not share any common sides?

Ⓐ Supplementary Angles
Ⓑ Complementary Angles
Ⓒ Horizontal Angles
Ⓓ Vertical Angles

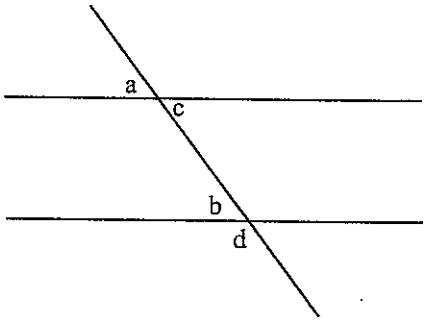


2. If a triangle has two angles with measures that add up to 100 degrees, what must the measure of the third angle be?

Ⓐ 180 degrees
Ⓑ 100 degrees
Ⓒ 80 degrees
Ⓓ 45 degrees

3. The figure shows two parallel lines intersected by a third line. If a = 55°, what is the value of b?

Ⓐ 35°
Ⓑ 45°
Ⓒ 55°
Ⓓ 125°



4. Match the figure with the sum of the interior angles of each polygon.

	2520	1080	1440	4140	540
Decagon	○	○	○	○	○
16-gon	○	○	○	○	○
Pentagon	○	○	○	○	○
25-gon	○	○	○	○	○
Octagon	○	○	○	○	○

5. Select the pronoun that will best fit into the following sentence.

The instructor put _____ students at ease when he said no one would fail.

Ⓐ we
Ⓑ his
Ⓒ their
Ⓓ them

6. Select the pronoun that will best fit into the following sentence.

My grandmother and _____ enjoyed spending the day together at the fair.

Ⓐ I
Ⓑ myself
Ⓒ me
Ⓓ my

7. Select the pronoun that will best fit into the following sentence.

_____ students laughed so loudly that the class next door was distracted from their lesson.

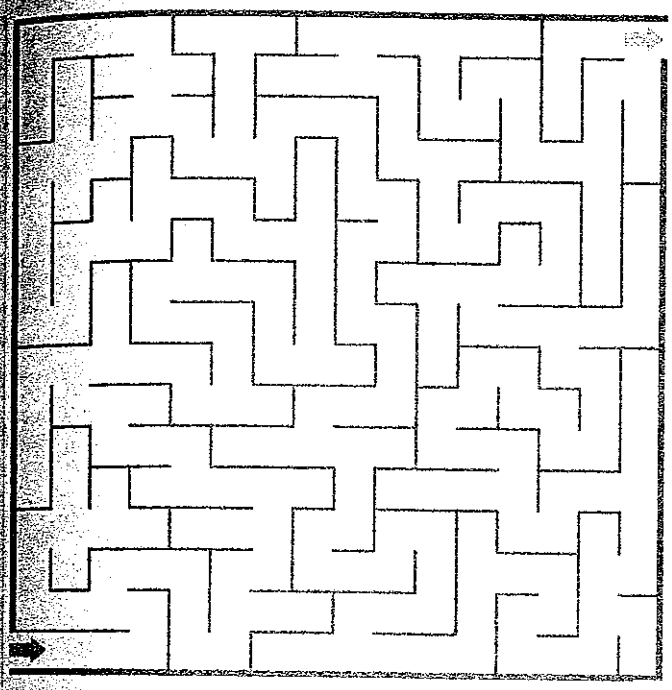
Ⓐ They
Ⓑ Us
Ⓒ Them
Ⓓ Those

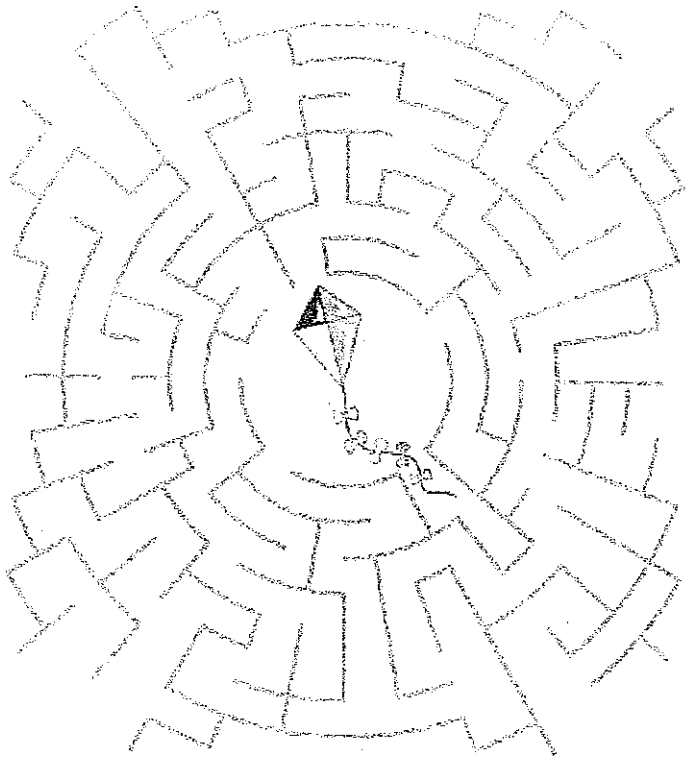
8. Fill in the blank with the correct pronoun:

Julie couldn't believe _____ friend didn't listen to _____ advice.

See the first page for Signup details

MAZE GAME





Help the beautiful kite fly out of the maze.