



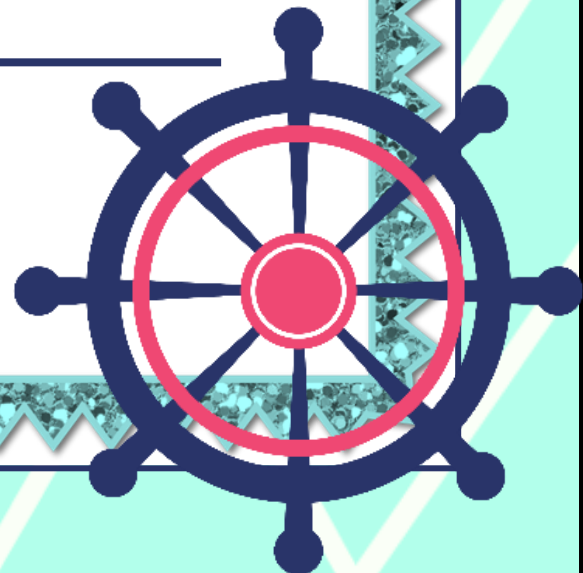
ACADEMIR CHARTER SCHOOLS



Summer
PACKET

Incoming 10th Grade

Name: _____



ACADEMIR CHARTER SCHOOLS



Dear Parents and Guardians,

In preparation for the upcoming 2026 - 2027 school year and to support the continued academic growth of our students, the curriculum team at AcadeMir Charter Schools has developed grade-level-specific summer learning packets. These assignments are designed to help students retain the knowledge and skills acquired during the previous school year and to ensure a strong start in the fall.

All students are required to complete the summer learning packet, which includes activities in reading, handwriting, mathematics, social studies, and science. In addition, students should read the grade-specific book that has been chosen for them and be prepared to discuss their literary journey with the rest of the class when school begins. Completed packets are due on the first day of school. We appreciate your support in helping your child stay engaged and prepared over the summer break.

Warm regards,
AcadeMir Charter Schools Administration

Estimados padres y tutores:

En preparación para el próximo año escolar 2026 - 2027 y con el fin de apoyar el crecimiento académico continuo de nuestros estudiantes, el equipo curricular de AcadeMir Charter Schools ha desarrollado paquetes de aprendizaje de verano específicos por nivel de grado. Estas asignaciones están diseñadas para ayudar a los estudiantes a retener los conocimientos y habilidades adquiridos durante el año escolar anterior y asegurar un buen comienzo en el otoño.

Todos los estudiantes deben completar el paquete de aprendizaje de verano, el cual incluye actividades de lectura, escritura a mano, matemáticas, estudios sociales y ciencias. Además, los estudiantes deben leer el libro asignado correspondiente a su grado y estar preparados para compartir su experiencia literaria con el resto de la clase al comenzar el año escolar.

Los paquetes completados deben entregarse el primer día de clases. Agradecemos su apoyo para ayudar a que su hijo(a) se mantenga comprometido(a) y preparado(a) durante las vacaciones de verano.

Cordialmente,
Administración de AcadeMir Charter Schools



Tenth Grade



READING



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2026 Summer Reading List

Grade	Summer Reading	Author	Book Synopsis	Front Cover
Kindergarten	Swimmy	Leo Lionni	Deep in the sea there lives a happy school of little fish. Their watery world is full of wonders, but there is also danger, and the little fish are afraid to come out of hiding . . . until Swimmy comes along. Swimmy shows his friends how with ingenuity and teamwork they can overcome any danger.	
First Grade	From Seed to Pumpkin	Wendy Pfeffer	Pumpkins can be baked in a pie, carved into jack-o'-lanterns, and roasted for a healthy snack. But how does a tiny seed turn into a big pumpkin? With clear text and detailed, colorful illustrations, this book explains what a pumpkin seed needs to help it grow!	
Second Grade	Mango, Abuela, and Me	Meg Medina	Mia's abuela has left her sunny house with parrots and palm trees to live with Mia and her parents in the city. The night she arrives, Mia tries to share her favorite book with Abuela before they go to sleep and discovers that Abuela can't read the words inside. Then Mia sees a parrot in the pet-shop window and has the perfect idea for how to help them all communicate a little better.	
Third Grade	The Boxcar Children	Gertrude Chandler Warner	The Aldens begin their adventure by making a home in a boxcar. Their goal is to stay together, and in the process, they find a grandfather.	
Fourth Grade	The Lion, the Witch and the Wardrobe	C.S. Lewis	Narnia... the land beyond the wardrobe door, a secret place frozen in eternal winter, a magical country waiting to be set free. Lucy is the first to find the secret of the wardrobe in the professor's mysterious old house. At first her brothers and sister don't believe her when she tells of her visit to the land of Narnia. wardrobe themselves.	

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2026 Summer Reading List

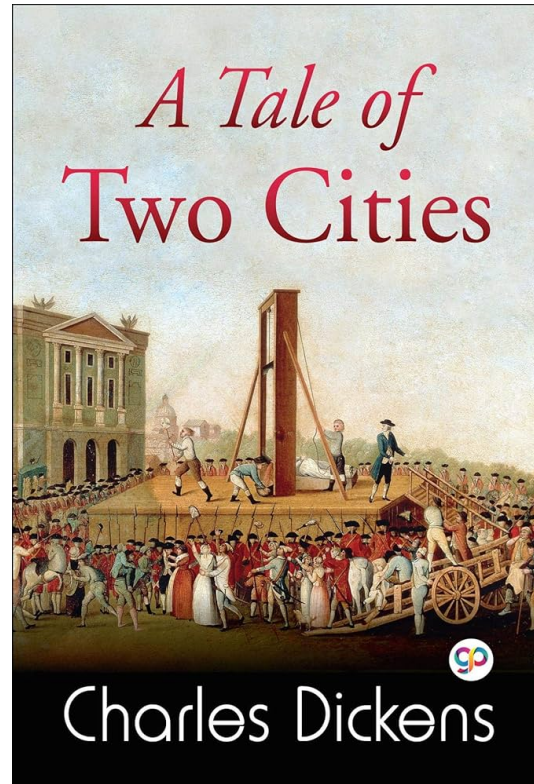
Grade	Summer Reading	Author	Book Synopsis	Front Cover
Fifth Grade	The City of Ember	Jeanne DuPrau	Many hundreds of years ago, the city of Ember was created by the Builders to contain everything needed for human survival. It worked...but now the storerooms are almost out of food, crops are blighted, corruption is spreading through the city and worst of all the lights are failing. Soon Ember could be engulfed by darkness...	
Sixth Grade	Tales of Greek Heroes	Roger Lancelyn Green	Tales of the Greek Heroes tells the mysterious and exciting legends of the gods and heroes in Ancient Greece. Greek mythology has inspired stories for thousands of years, with tales of lost love and magic. Join our heroes in their journeys of resilience and revenge, guilt and love, and trials and betrayal.	
Seventh Grade	The Red Umbrella	Christina Diaz Gonzalez	The Red Umbrella is a moving tale of a 14-year-old girl's journey from Cuba to America as part of Operation Pedro Pan. -an organized exodus of more than 14,000 unaccompanied children, whose parents sent them away to escape their country's dictatorship.	
Eighth Grade	The Swiss Family Robinson	Johann David Wyss	The Robinsons leave their home in Switzerland planning to settle half a world away. But things do not turn out as they had expected. The sole survivors of a terrible shipwreck, they wash ashore to learn that the danger has only begun. Their new world will test their courage, cleverness, endurance, and faith as they struggle to survive and create a civilization of their own in the wilderness.	

Ninth Grade	Old Greek Stories	James Baldwin	<p><i>Old Greek Stories</i> by James Baldwin is a collection of classic Greek myths retold in a clear and engaging style for young readers. The book highlights legendary heroes, gods, and moral lessons from ancient Greece, including tales of Prometheus, Pandora, Hercules, and Theseus.</p>	
Tenth Grade	Tale of Two Cities	Charles Dickens	<p>"A Tale of Two Cities," set during the French Revolution, centers on Dr. Manette's 18-year imprisonment and his subsequent reunion with his daughter Lucie in London. Lucie marries Charles Darnay, a French aristocrat, while Dr. Manette's life is restored through her love. The story unfolds with Darnay facing accusations of treason, and Sydney Carton, a dissolute lawyer who loves Lucie, makes the ultimate sacrifice to save Darnay.</p>	
Eleventh Grade	Night	Elie Wiesel	<p>What happens when your world vanishes in a single day? At sixteen, Elie Wiesel was stripped of his home and his identity, thrust into a fight for survival in the heart of the Holocaust. <i>Night</i> is a raw, fast-paced account of a teenager navigating the impossible. From the selection lines of Auschwitz to a brutal march through the snow, Eliezer faces a world where the rules of humanity no longer exist. It's a story of survival, the bond between a father and son, and the struggle to keep faith in the face of absolute darkness.</p>	

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Tenth Grade



A Tale of Two Cities is a historical novel set during the time of the French Revolution, contrasting life in London and Paris. The story follows characters like Charles Darnay, a French aristocrat who rejects his family's cruel legacy, and Sydney Carton, a disillusioned English lawyer who finds redemption through self-sacrifice. As the revolution erupts in France, the characters are caught in a whirlwind of violence, injustice, and heroism. Themes of resurrection, sacrifice, and the struggle for justice run throughout the novel. One of the most famous lines in literature "It was the best of times, it was the worst of times" opens this powerful tale about love, loss, and the choices that define us. This classic work is both an emotional drama and a reflection on social inequality, making it a thought-provoking read for high school students studying history, literature, or human rights.

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WRITE A COMPLETE RESPONSE FOR THE FOLLOWING QUESTIONS

Students Name: _____

Date: _____

Title of book and authors name:

Describe the setting of the book:

State the main character's name and describe the character:

What does that character value?

What is that character's personality like?

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On a scale from 1-10 (10 being the best book you've ever read), how would you rate this book? Explain your reasoning.

List the sequence of events in the story. Circle the conflict, highlight in yellow the main idea, underline the resolution, and highlight in orange the main characters.

Summarize the story on a separate sheet of paper.



Tenth Grade



MATHEMATICS



Name: _____

Date: _____

Algebra 2

1. Add.

$$(2s^2 + 1) + (4s^2 + 6s + 9)$$

-
2. Find the product. Simplify your answer.

$$(2p - 1)(3p + 2)$$

-
3. Factor out the greatest common factor. If the greatest common factor is 1, just retype the polynomial.

$$16g^5 + 32g^4$$

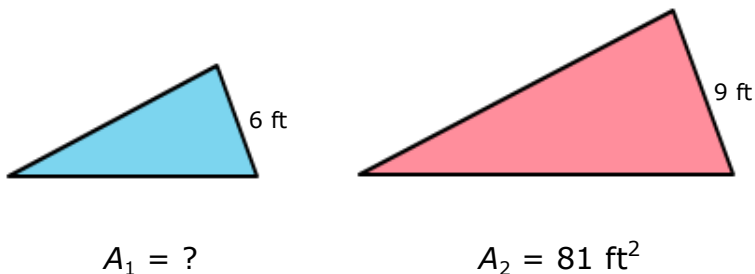
4. Subtract. Write your answer in simplest form.

$$-10\sqrt{5} - 9\sqrt{5}$$

5. Hector and his family are heading to Tiny Acres Mini-Golf. They plan to purchase the group package. With the group package, the cost per person is \$2 less than the normal cost for an individual. There are 5 people in Hector's family. His mom called ahead and found that the total cost for the family will be \$35. What is the normal cost for an individual?

\$

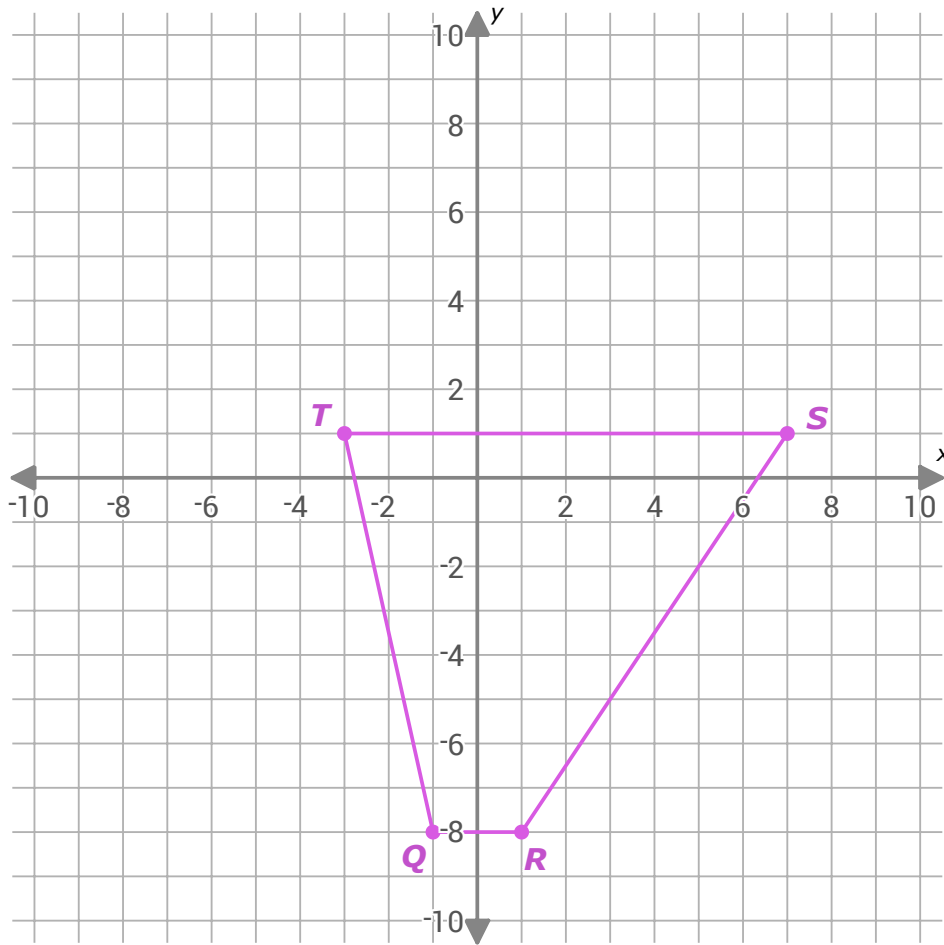
6. The figures below are similar. The labeled sides are corresponding.



What is the area of the smaller triangle?

$A_1 =$ square feet

7. Write the coordinates of the vertices after a translation 2 units right and 2 units down.



$$Q'(\square, \square)$$

$$R'(\square, \square)$$

$$S'(\square, \square)$$

$$T'(\square, \square)$$

8. J' is the image of the point J after a reflection.

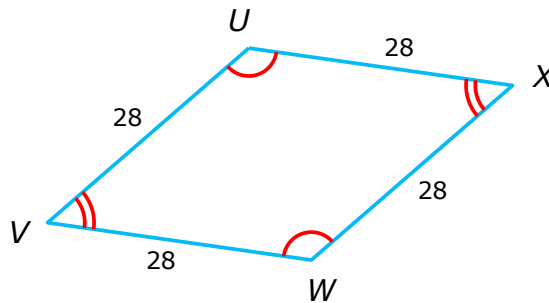
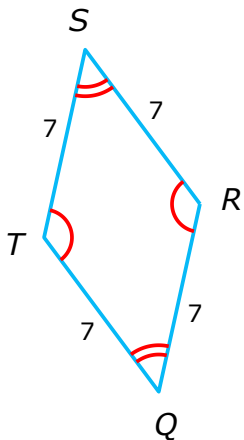
$$J(-6, -2) \rightarrow J'(6, -2)$$

Over which axis was point J reflected?

x-axis

y-axis

9. $QRST \sim XUVW$.



Find the ratio of a side length in $QRST$ to its corresponding side length in $XUVW$.

Simplify your answer and write it as a proper fraction, improper fraction, or whole number.

10. Rewrite the following equation in slope-intercept form.

$$13x + 5y = 12$$

Write your answer using integers, proper fractions, and improper fractions in simplest form.

11. Solve for x in terms of t , u , v , and w .

$$xu = -tvw$$

$$x = \text{$$

12. Simplify.

$$10\sqrt{98}$$

13. Classify this polynomial.

$$-2c^5 + 4c$$

trinomial

monomial

binomial

none of these

14. Classify this polynomial.

$$4y^2 + 2y - 7$$

binomial

trinomial

monomial

none of these

15. Solve for q in terms of r and s .

$$s = \frac{r}{q}$$

$$q = \text{[input box]}$$

16. Simplify. Assume all variables are positive.

$$(vw)^{\frac{3}{4}}$$

Write your answer in the form A or $\frac{A}{B}$, where A and B are constants or variable expressions that have no variables in common. All exponents in your answer should be positive.

[input box]

17. Simplify. Express your answer using positive exponents.

$$(7t^8u^5)(7tu)$$

-
18. Multiply. Write your answer in simplest form.

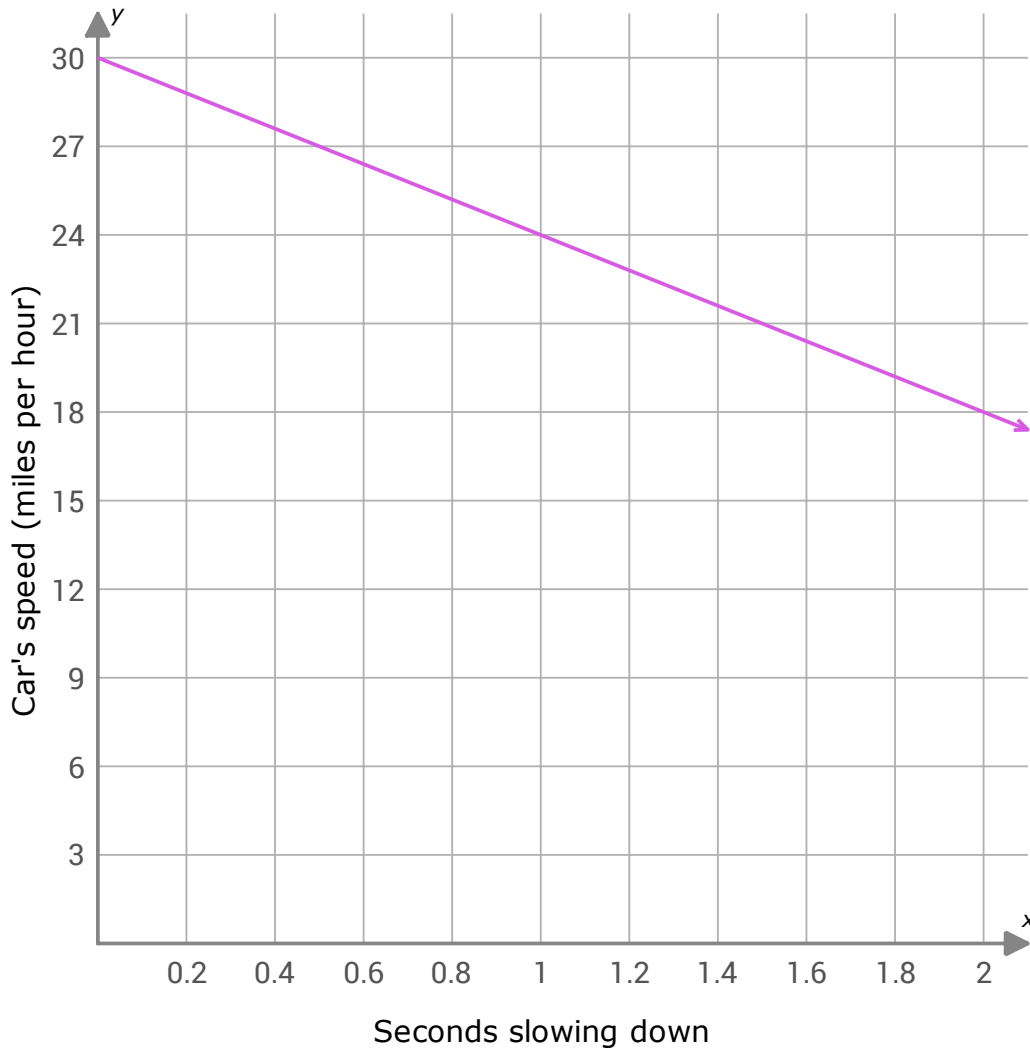
$$\sqrt{63} \cdot \sqrt{3}$$

-
19. Divide. If there is a remainder, include it as a simplified fraction.

$$(54y^3 + 36y - 12) \div 6y$$

20. While driving to soccer practice, Steven's mom slows down as she approaches a red light.

This situation can be modeled as a linear relationship.



Complete the statement that describes the situation.

The car is traveling at miles per hour when Steven's mom starts slowing down. As Steven's mom slows down, the car's speed decreases by miles per hour every second.