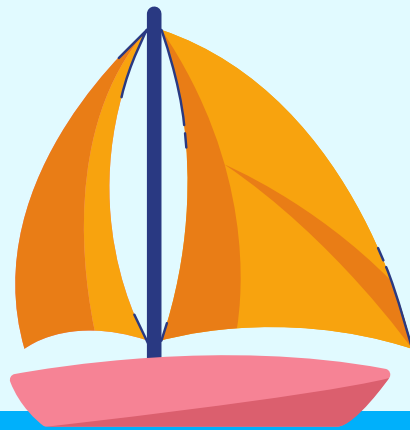# ACADEMIR CHARTER SCHOOLS

Summer
Learning Packets

**Incoming
5th Grade**

ACADEMIR CHARTER SCHOOLS

Dear Parents and Guardians,

In preparation for the upcoming 2025–2026 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 2025–2026 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

ACADEMIR CHARTER SCHOOLS
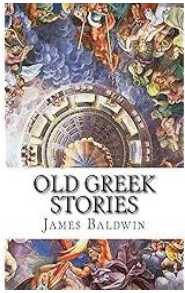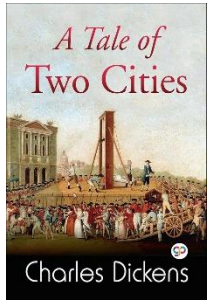
2025 Summer Reading List

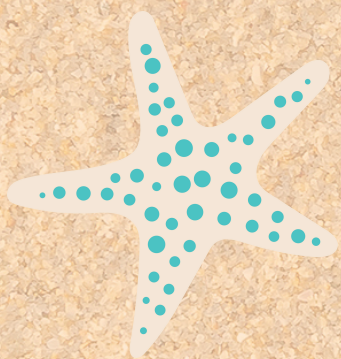| Grade	Summer Reading	Author	Book Synopsis	Front Cover
Kindergarten	Swimmy	Leo Lionni	Deep in the sea there lives a happy school of little fish. Their watery world is full of wonders, but there is also danger, and the little fish are afraid to come out of hiding . . . until Swimmy comes along. Swimmy 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.	

ACADEMIR CHARTER SCHOOLS

2025 Summer Reading List

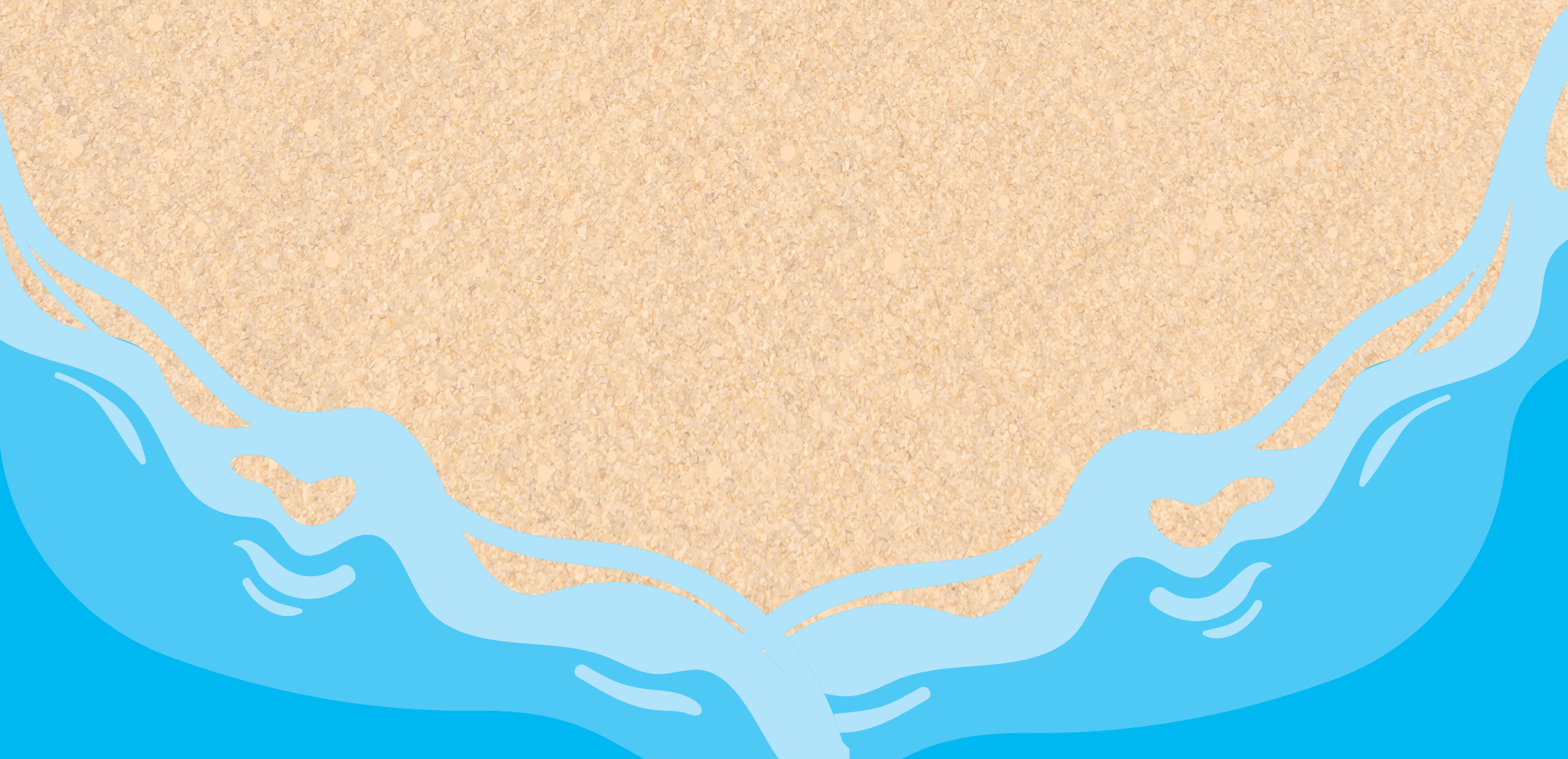| Grade	Summer Reading	Author	Book Synopsis	Front Cover
Fifth Grade	The City of Ember	Jeanne DuPrau	Many hundreds of years ago, the city of Ember was created by the Builders to contain everything needed for human survival. It worked…but now the storerooms are almost out of food, crops are blighted, corruption 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 Balwin	*Old Greek Stories* 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.	
Tenth Grade	Tale of Two Cities	Charles Dickens	"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.	

ELA

ACADEMIR CHARTER SCHOOLS

Fifth Grade

New York Times Bestselling Series

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…

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?

_____
_____
_____
_____

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 seperate sheet of paper.
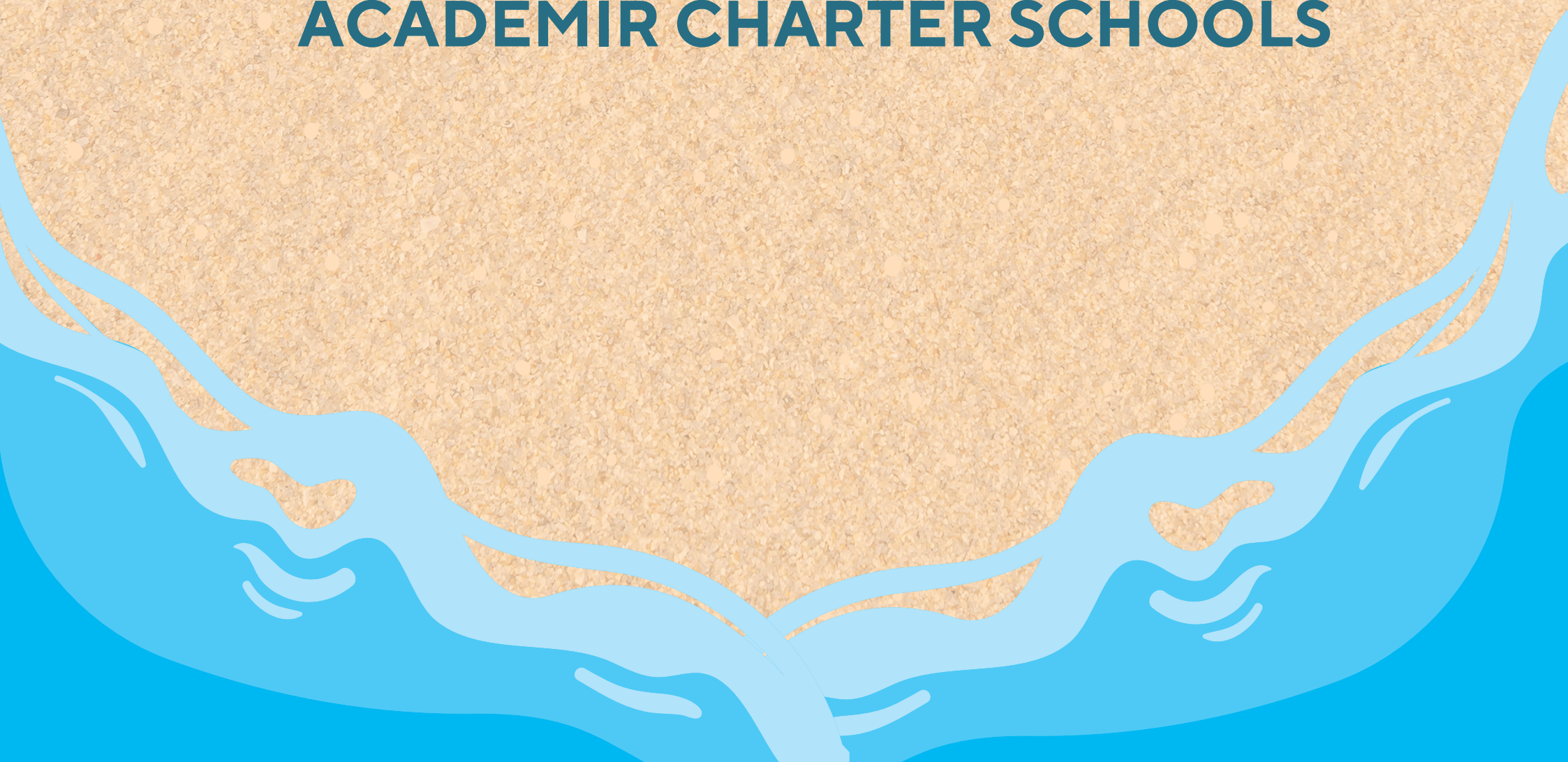
Cursive passages: Stars

Cursive Writing Worksheet

Trace and copy the passage:

In the sky, you can see the sun, stars and the moon. The sun is up during the day. It is very hot. The sun gives us light and heat. Plants need the sun to grow. We can see the stars at night. They give off light and heat, like the sun. That is because the sun is a star too! There are more stars than we can count.

MATH

ACADEMIR CHARTER SCHOOLS

Name _____

Add Dollars and Cents

Find the sum.

1.
 1 1 1
 $58.36
 + $ 5.87
 $64.23

2.
 $7.96
 + $3.08

3.
 $98.45
 + $ 4.76

4.
 $14.66
 + $30.76

5.
 $26.71
 + $ 5.09

6.
 $30.25
 + $27.42

7.
 $54.01
 + $85.23

8.
 $42.49
 + $30.73

9.
 $ 7.76
 + $54.02

10.
 $21.06
 + $63.48

11.
 $34.59
 + $ 7.45

12.
 $53.97
 + $60.00

13.
 $71.25
 + $ 5.90

14.
 $40.39
 + $17.25

15.
 $14.99
 + $ 5.23

16.
 $22.85
 + $40.25

17.
 $ 5.23
 + $30.55

18.
 $43.32
 + $86.85

19.
 $31.26
 + $88.90

20.
 $83.77
 + $60.35

Problem Solving REAL WORLD

21. The bill for tonight's dinner is $56.85. Mr. Asham adds a
$10.50 tip. How much does Mr. Asham pay in all?

_____

22. Maria buys a video game for $25.99 and batteries for $7.30.
What is the total cost for these two items?

_____

Name _____

Subtract Dollars and Cents

Find the difference.

1.
$$\begin{array}{r} \overset{12}{\cancel{7}\cancel{2}16} \\ \$5\cancel{8}.\cancel{3}\cancel{6} \\ -\$26.87 \\ \hline \$31.49 \end{array}$$

2.
$$\begin{array}{r} \$3.05 \\ -\$1.18 \\ \hline \end{array}$$

3.
$$\begin{array}{r} \$9.43 \\ -\$7.08 \\ \hline \end{array}$$

4.
$$\begin{array}{r} \$6.25 \\ -\$4.88 \\ \hline \end{array}$$

5.
$$\begin{array}{r} \$15.20 \\ -\$\ 9.47 \\ \hline \end{array}$$

6.
$$\begin{array}{r} \$64.66 \\ -\$\ 3.85 \\ \hline \end{array}$$

7.
$$\begin{array}{r} \$80.00 \\ -\$\ 9.99 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$52.03 \\ -\$\ 7.46 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$73.18 \\ -\$18.42 \\ \hline \end{array}$$

10.
$$\begin{array}{r} \$21.64 \\ -\$10.95 \\ \hline \end{array}$$

11.
$$\begin{array}{r} \$48.57 \\ -\$20.69 \\ \hline \end{array}$$

12.
$$\begin{array}{r} \$60.35 \\ -\$39.54 \\ \hline \end{array}$$

13.
$$\begin{array}{r} \$91.32 \\ -\$\ 8.79 \\ \hline \end{array}$$

14.
$$\begin{array}{r} \$23.06 \\ -\$\ 6.97 \\ \hline \end{array}$$

15.
$$\begin{array}{r} \$58.30 \\ -\$\ 9.41 \\ \hline \end{array}$$

16.
$$\begin{array}{r} \$41.45 \\ -\$\ 7.59 \\ \hline \end{array}$$

17.
$$\begin{array}{r} \$34.20 \\ -\$18.15 \\ \hline \end{array}$$

18.
$$\begin{array}{r} \$56.20 \\ -\$20.50 \\ \hline \end{array}$$

19.
$$\begin{array}{r} \$43.17 \\ -\$30.09 \\ \hline \end{array}$$

20.
$$\begin{array}{r} \$95.44 \\ -\$78.56 \\ \hline \end{array}$$

Problem Solving REAL WORLD

21. A soccer ball costs $17.99. Karla hands the cashier $20.00. How much change does she get back?

_____

22. Hal earned $56.50 dog sitting last month. Liz earned $87.00. How much more did Liz earn than Hal?

_____

Name _____

Order of Operations

Follow the order of operations to find the value of the expression. Show each step.

1. $3 + (18 \times 2) \div 3$

$3 + 36 \div 3$
$3 + 12$
$\underline{15}$

2. $(20 - 8) \times 2$

_____

3. $(48 \div 6) + 5$

_____

4. $(9 \times 4) + 6$

_____

5. $(10 + 5) \times 9$

_____

6. $(40 \div 10) + 11$

_____

7. $5 + (21 \div 3) \times 5$

_____

8. $7 \times 4 + (15 \div 3)$

_____

9. $6 + (24 \div 8) - 3$

_____

10. $43 - 28 + (12 \div 2)$

_____

11. $(13 \times 2) - 2 - 5$

_____

12. $15 + 6 \times (8 \div 4)$

_____

Problem Solving REAL WORLD

13. Each carton has 12 eggs. There are 2 full cartons in the refrigerator. Margot uses 3 eggs to make a quiche. How many eggs are left?

_____

14. There are 6 rows in the parking lot. Each row has 12 parking spaces. At 9 o'clock the lot is full. An hour later, there are 15 empty spaces. How many cars are in the lot an hour later?

_____

Name _____

Divide by Multiples of Ten

Divide. Use a pattern to help.

1. $1,500 \div 30 =$ ___50___

$15 \div 3 = 5$, so $150 \div 30 = 5$.

$1,500 \div 30 = 50$

2. $2,000 \div 20 =$ _____

3. $4,000 \div 80 =$ _____

4. $6,000 \div 30 =$ _____

5. $9,000 \div 30 =$ _____

6. $8,000 \div 40 =$ _____

7. $1,000 \div 20 =$ _____

8. $3,500 \div 50 =$ _____

9. $8,100 \div 90 =$ _____

10. $6,400 \div 80 =$ _____

11. $2,400 \div 60 =$ _____

12. $6,000 \div 60 =$ _____

13. $2,100 \div 70 =$ _____

14. $5,400 \div 90 =$ _____

15. $2,700 \div 30 =$ _____

Problem Solving REAL WORLD

16. A food bank has 3,600 boxes of food. The boxes will be loaded equally onto 60 trucks. How many boxes of food will be on each truck?

_____

17. A stadium has a seating capacity of 8,000. Suppose it is divided into 20 equal sections. How many seats are in each section? **Explain**.

_____

_____

_____

_____

Name _____

Model Division with
2-Digit Divisors

Use base-ten blocks to divide.

1. $154 \div 11$ **2.** $48 \div 16$ **3.** $95 \div 19$ **4.** $288 \div 16$

___14___   _____   _____   _____

5. $120 \div 15$ **6.** $140 \div 10$ **7.** $132 \div 12$ **8.** $204 \div 12$

_____   _____   _____   _____

9. $250 \div 10$ **10.** $154 \div 11$ **11.** $39 \div 13$ **12.** $165 \div 11$

_____   _____   _____   _____

Problem Solving REAL WORLD

13. A theater has 126 seats. The theater has 14 rows with the same number of seats in each row. How many seats are in each row?

14. Leila has $360 in twenty-dollar bills. How many twenty-dollar bills does she have?

_____   _____

Name _____

Decimals and Place Value

Read and write the decimal in two other forms.

1. 7.32

seven and thirty-two
hundredths; 7 + 0.3 +
0.02

2. two and six tenths

_____

_____

3. 20 + 5 + 0.8 + 0.01

_____

_____

_____

4. 86.04

_____

_____

_____

Write the value of the underlined digit.

5. 6.2<u>4</u>

0.04
_____

6. 3.<u>2</u>

_____

7. <u>9</u>.07

_____

8. 0.4<u>8</u>

_____

9. <u>1</u>.65

_____

10. 0.<u>9</u>

_____

11. 5.1<u>3</u>

_____

12. 10.<u>8</u>2

_____

Problem Solving

Use the table below for 13 and 14.

Three runners finished a foot race with the following times.

Foot Race Times

Runner	Time (in seconds)
Erika	15.46
Andre	14.89
Conner	15.08

13. Which runner finished the race with a time that has the digit 8 in the hundredths place?

_____

14. What is Erika's time written in expanded form?

_____

Name _____

Round Decimals

Round to the nearest dollar or to the nearest whole number.

1. $3.18

2. 4.7

3. $7.02

4. 8.55

_____

_____

_____

_____

5. $1.89

6. 0.2

7. $0.75

8. 9.09

_____

_____

_____

_____

9. $9.51

10. 1.01

11. $8.49

12. 6.35

_____

_____

_____

_____

13. $0.85

14. 5.9

15. $1.05

16. 4.5

_____

_____

_____

_____

17. $4.15

18. 3.65

19. $1.99

20. 5.52

_____

_____

_____

_____

Problem Solving REAL WORLD

21. Camden spends $18.25 at the range. How much money did Camden spend, rounded to the nearest dollar?

22. Jolie bought 3.75 pounds of turkey at the deli. About how many pounds of turkey did Jolie buy?

_____

_____

Name _____

Place Value to Compare Decimals

Compare the decimals. Write <, >, or =.

1. 2.12 $\bigcirc$ 2.2   **2.** 2.6 $\bigcirc$ 2.64   **3.** 2.08 $\bigcirc$ 2.8

4. 2.73 $\bigcirc$ 2.77   **5.** 2.4 $\bigcirc$ 2.40   **6.** 2.89 $\bigcirc$ 2.876

7. 2.98 $\bigcirc$ 2.09   **8.** 2.57 $\bigcirc$ 2.75   **9.** 0.38 $\bigcirc$ 0.34

10. 46.2 $\bigcirc$ 46.20   **11.** 0.8 $\bigcirc$ 0.88   **12.** 25.09 $\bigcirc$ 25.48

Use a place-value chart to order the decimals from least to greatest.

13. 0.41, 0.49, 0.45   **14.** 8.95, 8.98, 8.9   **15.** 2.7, 2.77, 2.07

_____   _____   _____

_____   _____   _____

16. 1.23, 1.27, 1.25   **17.** 9.9, 9.99, 9.94   **18.** 3.4, 3.04, 3.44

_____   _____   _____

_____   _____   _____

Problem Solving
REAL WORLD

19. Veronica drank 0.5 liter of water. Hector drank 0.3 liter of water. Who drank less water?

_____

20. Abby spent $6.36 on her lunch and Colby spent $6.63 on his lunch. Who spent less money on lunch—Abby or Colby?

_____

Name _____

Number Patterns

Describe the pattern. Then find the next two numbers in the pattern.

1. 4, 12, 36, 108, __324__ , __972__

Multiply by 3.

2. 14, 28, 56, 112, _____ , _____

_____

3. 2, 8, 32, 128, _____ , _____

_____

4. 1, 5, 25, 125, _____ , _____

_____

Determine the pattern and use it to fill in the blanks.

5. 1, 6, 36, _____, 1,296

6. 2, 6, _____, 54, _____

7. 3, _____, 48, _____, 768

8. ____, _____, 36, 108, 324

9. _____, 2, 4, 8, _____

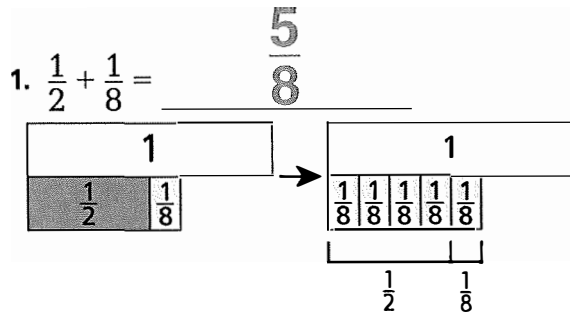**10.** 5, 20, ____, 320, _____

Problem Solving REAL WORLD

11. Pippen works at an aquarium. Each month, she counts the number of fish in one of the aquariums. She records the total number of fish in the table below. If the pattern continues, how many fish will be in the aquarium in Months 6 and 7?

Month	1	2	3	4	5
Number of Fish	4	8	16	32	64

_____

Name _____

Add Related Fractions

Add. Use fraction strips to help.

1. $\frac{1}{2} + \frac{1}{8} = $ _____ $\frac{5}{8}$

2. $\frac{1}{3} + \frac{2}{9} = $ _____

3. $\frac{2}{10} + \frac{1}{5} = $ _____

4. $\frac{2}{3} + \frac{1}{6} = $ _____

5. $\frac{2}{8} + \frac{1}{4} = $ _____

6. $\frac{4}{12} + \frac{2}{3} = $ _____

7. $\frac{4}{10} + \frac{1}{2} = $ _____

8. $\frac{1}{2} + \frac{3}{6} = $ _____

Problem Solving REAL WORLD

9. The Lin family bought a dozen bagels. They ate $\frac{1}{4}$ of the bagels today and $\frac{5}{12}$ of the bagels yesterday. What fraction of the bagels did they eat in all? Explain how you found your answer.
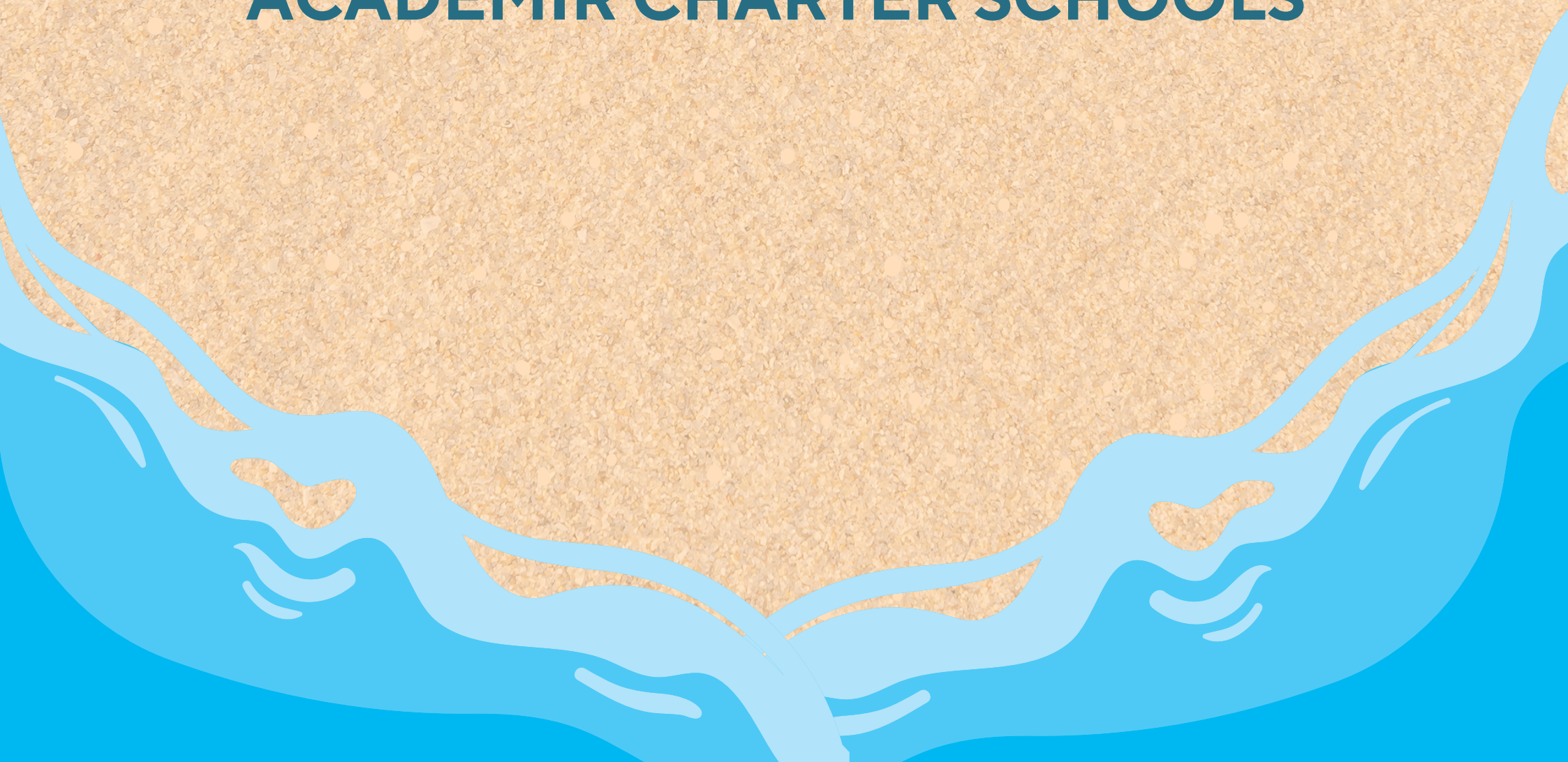
_____

_____

_____

_____

10. The Smith family ate $\frac{3}{5}$ of a pizza for dinner and $\frac{2}{10}$ of the pizza for lunch the next day. How much of the pizza did they eat in all? Explain how you found your answer.

_____

_____

_____

_____

SOCIAL STUDIES

ACADEMIR CHARTER SCHOOLS

FLORIDA

LOCATION

Florida is a narrow peninsula in the southeastern United States. It is surrounded by water on three sides. Florida is the southernmost state on the American mainland. Only Hawaii stretches farther south. The Atlantic Ocean is east and south of Florida. The Gulf of Mexico is west of Florida. Alabama and Georgia border Florida's panhandle to the north. The capital of Florida is Tallahassee. It is located in this narrow stretch of land. An archipelago, or chain of islands, called the Florida Keys curves around the southern tip of the Florida peninsula. The islands lie along the Florida Straits. One of the islands, Key West, is about 90 miles north of Cuba.

LAND

Florida is a low-lying state. The highest point, Britton Hill, is only 345 feet above sea level. Florida's panhandle and central Florida are forested and hilly. There are rolling plains along Florida's eastern and western coasts. Sandy beaches meet the ocean waters. Lake Okeechobee is located in south-central Florida. Big Cypress Swamp, the Everglades, and other wetlands stretch south from this lake. Limestone and coral form the Florida keys in the far south of the state. Florida has a subtropical climate. This means the state is usually warm and humid. The coastal breezes help cool the mainland during the hot summers. Hurricanes often strike Florida in summer and fall, bringing strong winds and heavy rains to coastal regions.

CLIMATE
Average °F

spring
Low: 61°
High: 81°

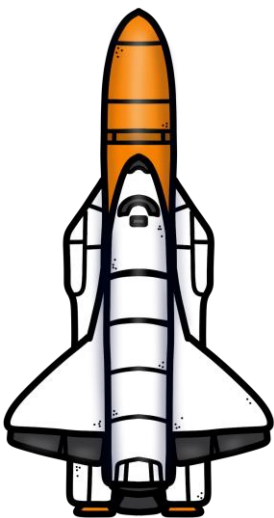**summer**
Low: 73°
High: 90°

fall
Low: 65°
High: 83°

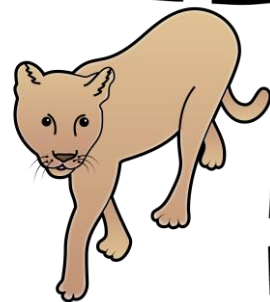**winter**
Low: 51°
High: 70°

HISTORY

Native Americans such as the Apalachee, Calusa, and Timucua, were the first to live in Florida. A Spanish explorer named Juan Ponce de Leon and other Europeans landed on the peninsula in the 1500s. There were three periods of war between the Untied States and the native Seminoles. The United States gained control of Florida in 1821. Florida became the 27th state in 1845. Florida fought for the Confederacy during the Civil War. They rejoined the United States in 1868. The Kennedy Space Center in Cape Canaveral sent the first person to the moon in 1969. Walt Disney World opened in Orlando in 1971.

NATURE

Florida is home to many endangered animals Key deer can only be found in the Florida Keys. The state animal, the Florida panther, lives in the woods and swamps. Alligators lurk in the rivers and wetlands. American crocodiles bask in the sun in the Everglades. Manatees, or sea cows, weigh up to 1,000 pounds. They somersault and roll through the sea. Manta rays swim beside coral reefs. Spoonbills wade through marshes to catch their food. The northern mockingbird is the state bird of Florida. The coral snake, rattlesnake, water moccasin, and copperhead are all venomous snakes living in Florida. The state flower of Florida is the orange blossom.

LANDMARKS

Florida has many exciting and historical landmarks that attract visitors. Walt Disney World is one of the most-visited places tourist sites in the world. The theme park in Orlando has many rides and attractions. Busch Gardens in Tampa Bay is a mix of zoo and amusement park. People can learn about the history of space exploration at Cape Canaveral's John F. Kennedy Space Center. People explore Castillo de San Marcos in Saint Augustine. It is a fortress that was built by Spanish settlers over 300 years ago. Miami is the second largest city in Florida. Many people go to Miami Beach in Biscayne Bay for vacation. Race fans flock to Daytona International Speedway to watch racers compete. Florida has many professional sports teams that people enjoy watching. Many professional baseball teams travel to Florida each year for spring training.

PEOPLE

Almost all workers in Florida work in service jobs. Many work in tourism at hotels, restaurants, and resorts. Other people work in factories. Farmers grow and harvest sugarcane and vegetables. Cows graze Florida's western grasslands. Fishers catch seafood such as crabs, snappers, and lobsters in the coastal water. Florida is famous for its oranges. They also produce other citrus foods such as grapefruits and tangerines. Most of the orange juice in America is processed in Florida. Many people retire and move to Florida to live out their life in Florida's sunny, warm climate. Florida cuisine is influenced by Latin American countries. Tampa claims to have invented the Cuban sandwich. Key lime pies were first made in the Florida Keys.

FLAG

Florida's flag has a white background with a red X with the state seal at the center. The seal has a ship at sea sailing on ocean waters. A Native American woman is standing on the shore with palm trees. The state's name and motto, "In God We Trust," are included on the seal. The nicknames of Florida are: "The Sunshine State," "The Alligator State," and "The Everglades State."

Name _____

FLORIDA

IDENTIFY: Use the word bank to label each description.

Daytona	peninsula	citrus
Okeechobee	Florida panther	Florida Keys
Tallahassee	Ponce de Leon	subtropical

	1. State animal of Florida
	2. Lake located in south-central Florida
	3. Land surrounded by water on three sides
	4. Spanish explorer who first landed in Florida
	5. Capital of Florida
	6. Florida is famous for this type of fruit
	7. Archipelago that curves around the southern tip of Florida
	8. Type of climate Florida has
	9. People watch races at this speedway

MULTIPLE CHOICE: Choose the best answer.

10. What body of water borders Florida to the west?
A. Atlantic Ocean
B. Gulf of Mexico
C. Florida Straits

11. The United States had three periods of war with Native Americans?
A. Apalachee
B. Calusa
C. Seminoles

12. Which animal that lives in Florida is also known as a sea cow?
A. Manatee
B. Crocodile
C. Manta ray

13. In which city is Walt Disney World located?
A. Cape Canaveral
B. Miami
C. Orlando

14. Which sport has many teams that go to Florida for spring training each year?
A. Basketball
B. Baseball
C. Football

15. What food does the city of Tampa claim to have invented?
A. Cuban sandwich
B. Hamburger
C. Clam chowder

16. What is the motto of Florida on the state flag?
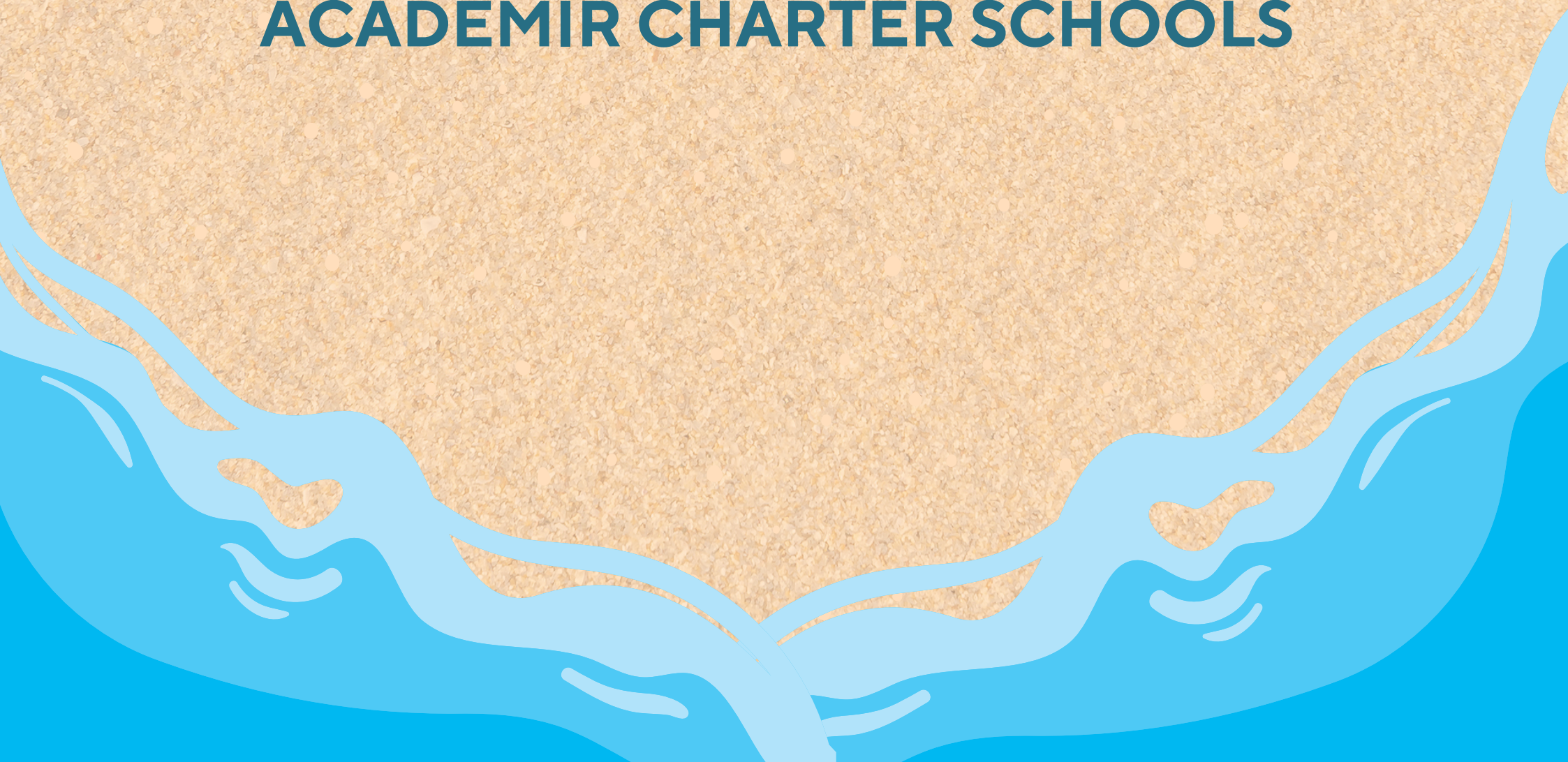A. The Sunshine State
B. In God We Trust
C. The Everglades State

SCIENCE

ACADEMIR CHARTER SCHOOLS

5th Grade Summer Packet

1.

Gerenuk eat leaves and twigs. The gerenuk's neck is adapted for reaching branches that are high above the ground.

gerenuk

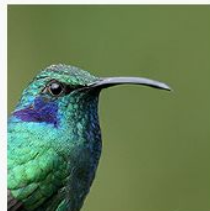Which animal's neck is also adapted for reaching high branches?
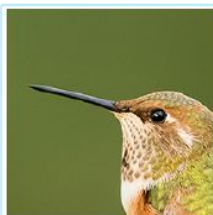

chital

muskox

2.

Green violetears live in the forests of Central and South America. The shape of the green violetear's beak is adapted to get nectar out of long flowers.

green violetear

Which bird's beak is also adapted to get nectar out of long flowers?

flamingo

Allen's hummingbird

3.

thorny devil

Thorny devils are lizards that live in the deserts of Australia. The thorny devil is adapted to be camouflaged in a sandy desert.

Which animal is also adapted to be camouflaged in a sandy desert?

fire salamander

fennec fox

4.

golden dart frog

Golden dart frogs have poisonous glands in their brightly colored skin. The bright color serves as a warning sign that the animal is poisonous. The golden dart frog's skin is adapted to ward off predators.

Which animal's skin is better adapted as a warning sign to ward off predators?

flamboyant cuttlefish

impala

5. Complete the paragraph.

Earth's surface is made mostly of rock. Water, wind, and ice can break down this rock to form _____.

| loose pieces | melted rock | bigger pieces |

7.

Schist is a type of rock. It can form when a rock is changed by high temperature and pressure. This piece of schist is dotted with dark-gray mineral grains.

What type of rock is schist?

| metamorphic | sedimentary | igneous |

8.

Basalt is a type of rock. It is commonly found near volcanoes in Hawaii and Iceland. When melted rock cools at the earth's surface, it can form basalt.

What type of rock is basalt?

| metamorphic | sedimentary | igneous |

6. Look at the picture and read the paragraphs. Then answer the question.

This picture shows **sediment**. The sediment in this picture has been moved by water. Sediment can also be moved by wind and ice.

Some pieces of sediment are large. They can be as big as your hand, or even bigger!

Other pieces of sediment are much smaller. This picture shows mud. Mud is made of pieces of sediment too small for your eyes to see.

Which of the following pictures also show sediment? Select all that apply.

pebbles on a beach ✔

dust blowing in the wind ✔

sand in a desert ✔

9.

Limestone is a type of rock. It can form when layers of ocean sediment are pressed together to form rock. The dark, round shapes inside this piece of limestone are fossils of marine animals.

What type of rock is limestone?

| metamorphic | sedimentary | igneous |

10. Select the one substance that is not a mineral.

Biotite is formed in nature. It is a solid.

Chewing gum is made in a factory. It is not a pure substance.

Magnetite is a pure substance. It is formed in nature.

11. Select the one substance that is not a mineral.

Chocolate is made in a factory. It is not a pure substance.

Corundum is formed in nature. It is not made by living things.

Chalcopyrite is formed in nature. It is a solid.

12. Select the **invertebrate**.

Hint: Insects, spiders, and worms are invertebrates.

bull ant

turkey vulture

carp

wombat

13.   Select the **vertebrate**.

Hint: Mammals, birds, fish, reptiles, and amphibians are vertebrates.
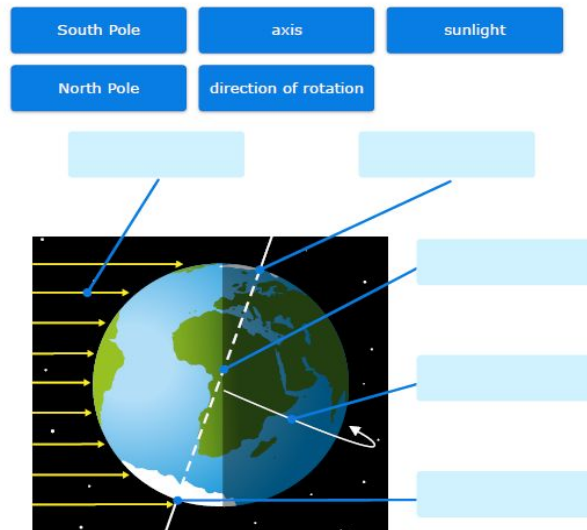

redback spider

grasshopper

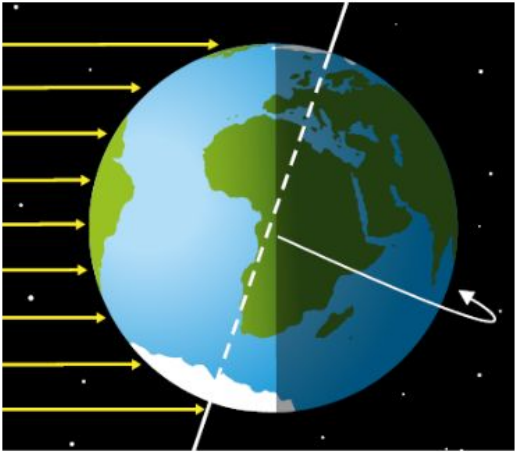red-spotted purple
butterfly

salt water crocodile

14.   The model shows how Earth rotates, or spins, on an imaginary line called an *axis*.
Earth's axis passes through the North Pole and the South Pole. As Earth rotates,
different locations face the Sun and receive sunlight.

Use the words below to label the model.

South Pole   axis   sunlight

North Pole   direction of rotation

15. The model shows Earth's rotation on its axis. As Earth rotates, different locations face the Sun and receive sunlight.

Which of the following is an example of a person rotating on an axis?
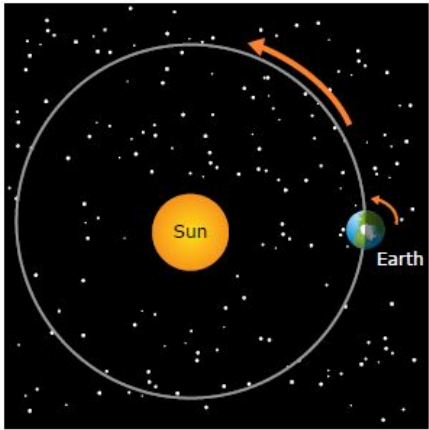

| A child going down a slide | An ice skater spinning in the air | A track athlete jumping over hurdles |

16. The model shows that Earth both rotates on its axis and orbits the Sun.

Sun

Earth

Pick the true statement.

Earth orbits the Sun in a wavy path.

The Sun orbits Earth in a wavy path.

Earth orbits the Sun in a nearly circular path.

The Sun orbits Earth in a nearly circular path.