Student Name _____

Teacher Name _____

School _____

System _____

Tennessee Comprehensive Assessment Program

Modified Academic Achievement Standards ~ Grade 4

Practice Test

PEARSON

Developed and published under contract with Tennessee State Department of Education by the Educational Measurement group of Pearson, a business of NCS Pearson Inc. 2510 North Dodge Street, Iowa City, Iowa 52245. Copyright © 2009 by Tennessee State Department of Education. All rights reserved. No part of this publication may be reproduced or distributed in any form or by any means, or stored in a database or retrieval system, without the prior written permission of Tennessee State Department of Education.

Table of Contents

Introduction 1

What is the TCAP Modified Academic Achievement Standards Test? 1

What are the questions testing? 1

Who is eligible to be tested? 1

How long will the tests take? 1

How will the tests be scored? 1

May calculators be used? 2

Which test accommodations may be used? 2

What is the purpose of the practice test? 2

Here are some tips for preparing students for the test 2

Reading/Language Arts 3

Mathematics 47

Science 89

Social Studies 133

Answer Key 162

Introduction

What is the TCAP Modified Academic Achievement Standards Test?

The TCAP Modified Academic Achievement Standards Test is a multiple-choice test designed to measure student achievement in certain skills in four content areas: Reading/Language Arts, Mathematics, Science, and Social Studies. The questions in this practice test are examples of items used in the actual test.

What are the questions testing?

Questions are written to test student performance in state content standards. The State Content Standards and Performance Indicators were developed by the Tennessee Department of Education. These Standards and Performance Indicators are listed on the State Department of Education Web site at http://www.state.tn.us/education/curriculum.shtml.

Who is eligible to be tested?

1. Students with a disability who are on an active IEP are eligible to take the MAAS.

2. Eligible students may have a disability in any of the Federal disability categories. Note: The category Functionally Delayed is a State category, but a student cannot be excluded from participation in this assessment based on category of disability. A student whose disability is classified as Functionally Delayed is eligible to participate in this assessment if determined eligible by the IEP team, but the student will be considered a non-participant and his scores cannot be counted for AYP. **A student classified as Functionally Delayed taking the test would not count toward the 2% cap because he is considered a non-participant.**

3. It is the decision of the IEP team whether or not a student with a disability should be assessed with the MAAS.

How long will the tests take?

The length of the tests will vary, depending on the grade level. The time limits are generous and allow most students time to finish. Extended time limits only apply to students who are eligible for special or English Language Learner (ELL) accommodations.

How will the tests be scored?

The test answers will be machine scored. Results from the test provide information about how well students performed on the content being tested.

May calculators be used?

Calculators may be used on Part 1 and 2 of the mathematics portion of the TCAP Modified Academic Achievement Standards Test (grades 3–8) as per system policy.

Which test accommodations may be used?

The TCAP Modified Academic Achievement Standards Test may be administered using various procedures that are used during the student's daily educational program. Certain conditions must be met for students to be eligible for special and ELL accommodations.

What is the purpose of the practice test?

In a classroom learning session, these questions can be used to prepare students for the actual test. Teachers can use the practice test to help familiarize students with the format of test questions and how the actual test will be administered. This practice test can also be used to inform parents of the type of test their children will be taking.

Here are some tips for preparing students for the test.

Remind students to:

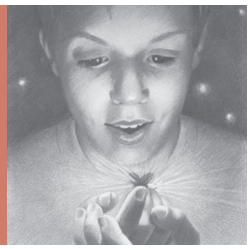
Relax: It is normal to be somewhat anxious before the test. Remember that the score is only one of a number of measures of performance.

Listen: Listen to and read the test directions carefully.

Plan Use of Time: First, answer all the questions you are sure about. Do not spend too much time on any one question. If a question seems to take too long, skip it and return to it later if you have extra time.

Pause and Think: If you are not sure how to answer a question, carefully read it again. Rule out answer choices that you know are incorrect and then choose from those that remain.

Reading/Language Arts



Part 1

Directions **Read the story. Then answer Numbers 1 through 5.**

An Artist at Heart

1 Rishi loved school. However, there was one class Rishi never enjoyed — art class. She just wasn't any good at drawing or painting.

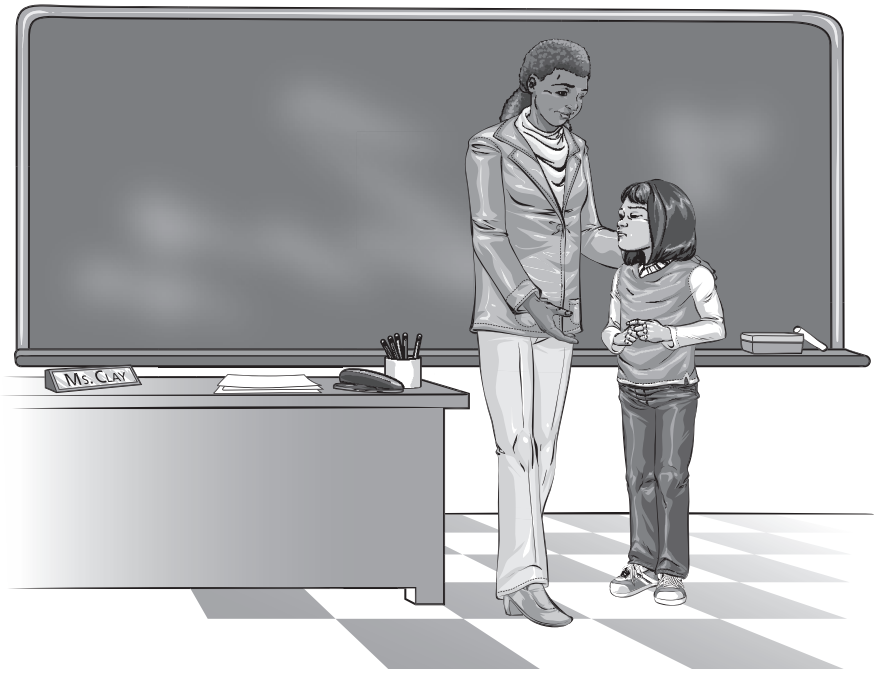
2 One day Ms. Clay, the art teacher, told the class about a new project. Everyone in the entire school had to create a piece of art for the school art show. She said students could use the different styles of artwork that had been studied in class. Ms. Clay also said the artwork would be shown in the library. Rishi really liked her teacher, but this news made her feel very nervous. Rishi found herself sinking lower in her chair.

3 "What am I going to create for the art show?" Rishi thought.

4 Rishi decided to talk to Ms. Clay after school. She explained to her teacher that there was no way she could complete this project. Rishi told Ms. Clay that she would be willing to write a paper about art instead of doing an art project. Rishi said she was willing to do anything if she didn't have to create a piece of artwork for the art show.

5 "I understand this project makes you feel worried, Rishi," Ms. Clay said. "Just remember, you can create any kind of art you want." Ms. Clay patted Rishi on the shoulder. "Art is a person's way of expressing his or her feelings. It isn't always painting or drawing. I know you will think of something very creative, and I can't wait to see it."

Go On ▶



6 When Rishi arrived home, she went to her room to think about ideas for her project. Rishi realized she would have to put her fears aside and create a piece of art for the contest, but she had no idea what to do. She took out a piece of drawing paper and a pencil. She remembered Ms. Clay's words — art is a person's way of expressing his or her feelings. Rishi wrote the word "worried" on her paper. She crumpled the paper and tossed it to the side of her desk. Her head dropped into her hands, and she let out a sigh.

7 Rishi stared at the crumpled ball on the floor. The paper reminded her of a snowball. Suddenly a smile came across Rishi's face. The snowball sparked an idea to create a winter scene out of crumpled paper. Rishi wouldn't have to draw, paint, or even cut!

8 Rishi crumpled up a stack of paper into balls. Then she glued them on a big piece of wood that she found in her garage. The crumpled papers formed a snowman with snow-covered mountains in the background. The snowman wore a hat made of torn, black paper and a scarf made of red paper. She took some pieces of brown and green paper and crumpled them to create a forest. Her finished project was a true work of art.

9 On the day of the show, Rishi carefully carried her project into the school library. She noticed smiles from teachers and other students as she placed her work on a table. Her special artwork sat next to paintings and drawings. No other artwork looked anything like Rishi's project.

10 Ms. Clay walked over to Rishi. She placed a first-place ribbon on her art. "You have created an original and amazing piece of artwork," Ms. Clay said. "I am so proud of you!"

11 Rishi was proud of herself too. She was pleased with her final project. "Maybe art class isn't so bad after all," Rishi thought.

Go On ▶

1 **Read the sentence from Paragraph 2.**

Everyone in the entire school had to create a piece of art for the school art show.

Which word means about the same as the underlined word?

A make

B have

C want

2 **Read the sentence from Paragraph 5.**

"Art is a person's way of expressing his or her feelings."

What is the meaning of the underlined word?

F choosing

G showing

H protecting

3 **What will most likely happen in the future?**

A Rishi will make more art projects.

B Ms. Clay will stop having art contests.

C The other students will make art that looks like snow.

4 **The author most likely wrote this story to**

F give information about different types of artwork.

G share how a girl gets over a fear.

H show readers how to make a piece of art.

5 **How can the reader tell that "An Artist at Heart" is fiction?**

A It has rhyming words.

B It contains facts.

C It has characters.

Go On ▶

Directions **A student wrote this letter. It has mistakes. Read the letter and answer Numbers 6 through 11.**

May 23, 2009

Dear Ms. Franklin,

(1) Thank you for guiding my fourth grade class through a tour of the Newton Science Center. (2) We liked seeing the displays and watching the movie about astronauts. (3) We learned a lot of valuable information and enjoyed the activities. (4) This was the best field trip ever.

(5) When we return to school from the science center, we had a class discussion about what each of us liked most. (6) I said My favorite part was the Living in Space display. (7) The other kids in my class also liked it. (8) It was great to see how astronauts eat and sleep. (9) It is my dream to fly into space too. (10) What is your favorite part of the center, Ms. Franklin?

(11) Thank you again for showing them around the center. (12) This is a field trip we will all remember for a long time (13) I will ask my mother to take me their soon. (14) I know it will be one of my moms favorite places too.

Sincerely,

Tasha Murray

6 **Read Sentence 5.**

When we <u>return</u> to school from the science center, we had a class discussion about what each of us liked most.

Choose the correct way to write the underlined part of the sentence.

F returns

G returning

H returned

7 **Read Sentence 6.**

I said My favorite part was the Living in Space display.

Choose the correct way to write the sentence.

A I said, "My favorite part was the Living in Space display."

B "I said," My favorite part was the Living in Space display.

C "I said My favorite part was the Living in Space display."

8 **Read Sentence 11.**

Thank you again for showing <u>them</u> around the center.

Which word should replace the underlined word?

F we

G us

H him

9 **Read Sentence 12.**

This is a field trip we will all remember for a long time

What punctuation mark should be placed at the <u>end</u> of the sentence?

A ”

B ?

C !

Go On ▶

10 **Read Sentence 13.**

I will ask my mother to take me <u>their</u> soon.

Choose the correct way to write the underlined word.

F they're

G there

H theyre

11 **Read Sentence 14.**

I know it will be one of my <u>moms</u> favorite places too.

Choose the correct way to write the underlined word.

A moms'

B momses'

C mom's

Directions **Read the passage. Then answer Numbers 12 through 15.**

The Biggest Trucks in the World

by Pat Parker

1 Ultra haulers (or giant dump trucks) are the world's biggest trucks. They haul rocks and dirt at places called surface mines. Workers use mining shovels to dig up dirt and rocks, then pour them into the ultra haulers. The haulers rumble away to unload. Then they come back to get filled up again.

Go On ▶

2 Ultra haulers do important work. Inside the dirt and rock that they haul are minerals, such as coal, copper, and gold. Coal is used to heat homes and to make steel and electricity. Gold and copper are found in thousands of items, from jewelry to cell phones to spacecraft.

Too Heavy for the Highway

3 An ultra hauler is heavy! It would sink into the road if it were driven to the mines where it works. So after it is built, it has to be taken apart again. The pieces are loaded onto trains or tractor-trailer trucks, then delivered to the mine. When the pieces arrive, workers put the truck together again.

4 Today's biggest haulers can carry 400 tons. That is the weight of about 243 medium-sized cars. Even without a load, ultra haulers weigh between 250 and 400 tons — the weight of about 40 elephants. If two of those elephants stood on top of each other, they would just reach the top of one truck. Hauler drivers have to climb stairs up to the trucks' cabs, nearly 20 feet off the ground.

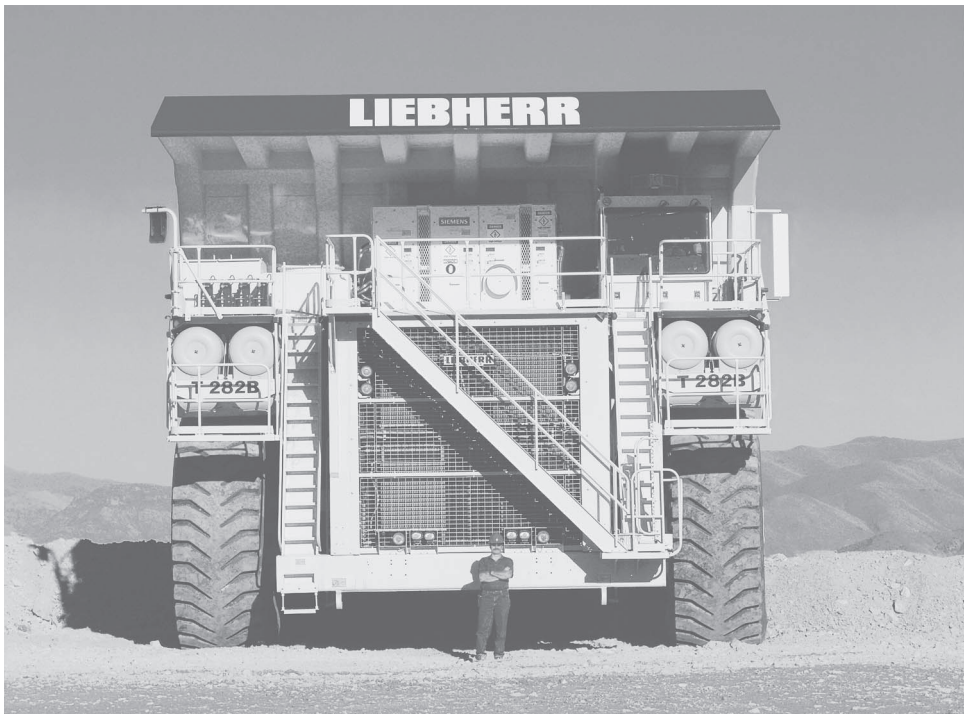
5 Larry Conner test-drives ultra haulers for a company that builds giant mining equipment. "Driving an ultra hauler is like driving a two-story house," Larry says. "You sit in your upstairs window, take the steering wheel, and start driving. It's a blast."

The Only One of Its Kind

6 A few years ago, people in Sparwood, British Columbia, got together to save a special ultra hauler. It was the Terex Titan, the longest ultra hauler in the world. The truck had been used at a local coal mine for 12 years. Its huge engine cost so much to run that it had to be put out of use.

7 The coal company and the people of Sparwood did not want the Terex Titan to go to the scrap pile. They collected donations and volunteered their time to make the truck ready for display.

8 Many visitors see the giant truck every year.



"The Biggest Trucks in the World" text by Pat Parker, photos by Leibherr Mining Equipment Co., from *Highlights for Children*, Sept. 2007, copyright © 2007 by Highlights for Children, Inc. Columbus, Ohio. Used by permission.

Go On ▶

12 **Read this sentence from Paragraph 3.**

> The pieces are loaded onto trains or tractor-trailer trucks, then delivered to the mine.

What is the meaning of delivered in the sentence above?

F saved

G fastened

H brought

13 **Which sentence from the passage is an opinion?**

A Ultra haulers do important work.

B Today's biggest haulers can carry 400 tons.

C It's a blast.

14 **What would be the best source to find more information about ultra haulers?**

F a magazine advertisement

G an online dictionary

H the Internet

15 **How do drivers most likely get inside an ultra hauler?**

A They are lifted up by a pulley.

B They climb the stairs to the top.

C They use another truck to lift them up.

Go On ▶

Directions **Read the poem. Then answer Numbers 16 through 19.**

My Favorite Time of Year

Red, yellow, and orange.
The colors of a sunrise
Scatter across the trees
Like millions of grains of sand.
The changing leaves whisper to me.
A cool breeze softly
Tickles my ear.
It rustles, "I'm here.
Your favorite time of year."

The nip in the air
Is the opening act for winter's frost.
The leaves let go and begin to fall.
Blowing, billowing, and brushing,
Waving goodbye to August so dear.
It calls, "I'm here.
Your favorite time of year."

© Elena Elisseeva/Dreamstime #3698259

16 **Read the line from the poem.**

Blowing, billowing, and brushing,

These words are an example of

F rhyme.

G alliteration.

H simile.

17 **Read the first stanza.**

Red, yellow, and orange.
The colors of a sunrise
Scatter across the trees
Like millions of grains of sand.
The changing leaves whisper to me.
A cool breeze softly
Tickles my ear.
It rustles, "I'm here.
Your favorite time of year."

In this stanza, the author compares the scattered colors in the trees to

A a cool breeze.

B grains of sand.

C a certain time of year.

18 **When is the author's favorite time of year?**

F autumn

G spring

H summer

19 **The reader can tell that "My Favorite Time of Year" is a poem because it**

A has rhyming words.

B tells the thoughts of the speaker.

C describes the beauty of the outdoors.

Go On ▶

Directions **Read the speech. Then answer Numbers 20 through 26.**

The Great Book Swap

1 Hi, fourth graders! My name is Tory Hill. I am a member of the Pace Elementary Book Club. I want to tell you about an idea the book club has. We have a reading project that we want to do, and we need your help.

2 Do you ever have a hard time finding books you want to read? It seems as if the best books at the library are always checked out. The club is planning the Great Community Book Swap to help get more books that people want to read. We are asking every student to bring books from home. They can then be traded for books from other students and even adults.

3 To make the project a success, we need everyone's help. Ask your friends and neighbors to send unwanted books. Look around your own home. Ask your parents if there are any unused books taking up space. Bring those books to school and make a reader's day. We need all kinds of books for all kinds of readers!

4 Wouldn't it be great to swap books right here in our community? Volunteers will organize the donated books. Then the books will be displayed on tables at the community center. People will be able to look around and hopefully find the perfect books.

© ranplett/iStockphoto # 6100983

5 If you don't have a favorite author or title, just come and browse the collection of books. When every grade has brought in books, we will have quite a selection. You will probably find at least one new book that you

would like to read. Who knows? Maybe you'll find a book so good that you won't be able to put it down.

6 So, what are you waiting for? Go home and clean out your closets and bookshelves! Bring in those books!

20 **Read the list of topics Tory wrote down before writing her speech.**

1.	Finding the right book
2.	Asking for help from the students
3.	_____

Which information belongs on the blank line?

F Collecting donated books

G Knowing which books people want to read

H Looking through the collection of books

Go On ▶

21 **While listening to Tory give her speech, the students should**

A move to a better seat.

B sit quietly.

C watch the teacher.

22 **Which is the best summary of the speech?**

F A new community project will help students find books.

G Children will be happy to have more books to read.

H The library will have more money to buy books.

23 **Read this sentence from Paragraph 3.**

Ask your parents if there are any unused books taking up space.

Which source should Tory use to find all the meanings for space?

A an atlas

B a thesaurus

C a dictionary

24 **Tory wants to know which books fourth graders check out most often. Which is the best source for Tory to use?**

F an online encyclopedia

G a flier about book swaps

H a school librarian

25 **Which source could Tory trust to find information about how to organize a book swap?**

A a list of book titles offered at a book swap

B an interview with a person who has started a book swap

C a journal entry about finding a good book at a book swap

26 **Read the analogy.**

Forget is to remember as swap is to _____.

Which word best completes the analogy?

F keep

G borrow

H rent

Go On ▶

Directions **Read and answer Numbers 27 through 33.**

27 **Which statement could happen?**

A Clouds make rain.

B Birds are able to sleep in clouds.

C Sometimes clouds touch the moon.

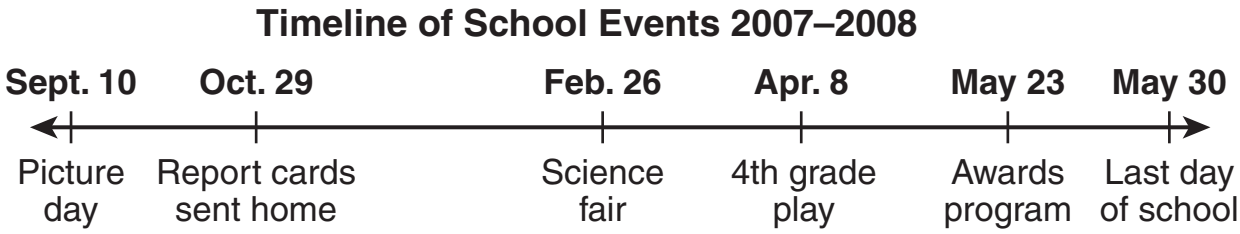
28 **Which behavior will best help students who are working on a project together?**

F walking around

G moving supplies

H taking turns

29 **Study the timeline.**



Which of these happened before the 4th grade play but after report cards were sent home?

A Picture day

B Science fair

C Awards program

Go On ▶

30 **Look at this photograph.**

© Ariel Skelley/CORBIS #CSM103649

What is the main idea in this photograph?

F A dance class is watching a performance.

G A teacher is showing her students how to dance.

H A child is having a difficult time following directions.

31 **Read the sentence.**

Kisha <u>does not</u> need her book today.

What is a correct way to write the underlined words?

A don't

B does'nt

C doesn't

32 **What resource should Janie use to help her find where the capital of Tennessee is located?**

F a dictionary

G an atlas

H a thesaurus

33 **Read the sentence.**

Dave askd if he could explain how to complete the project.

Which word is spelled incorrectly?

A askd

B explain

C complete

STOP

Part 2

Directions **Read the story. Then answer Numbers 34 through 39.**

An Old Friend with a New Dog

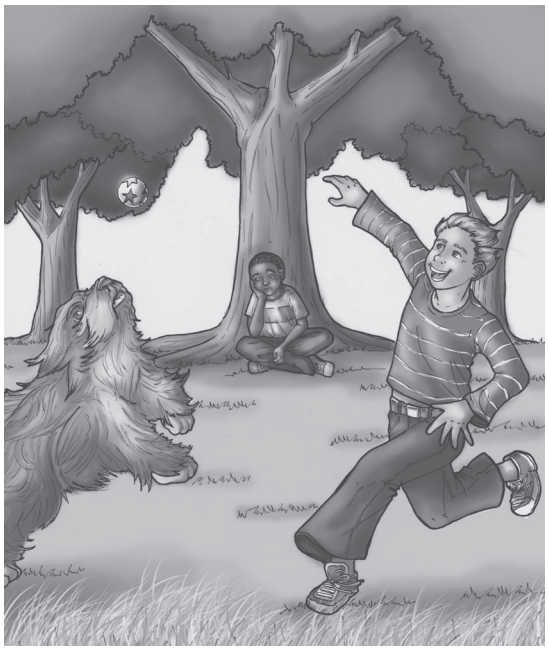
1 "Hello," Matt said into the telephone.

2 His best friend Rob replied, "Hi, Matt. Do you want to go to the park later and toss the baseball around?"

3 "Umm," Matt said. "I wish I could, but I need to give Buster a bath. Maybe we can go to the park tomorrow when I take Buster for a walk."

4 "Sure," Rob replied. "I'll see you tomorrow. Bye."

5 As Rob hung up the telephone, he let out a long sigh. His mother and older sister, Pam, looked up from the kitchen table. They knew Rob was unhappy.



6 "Ever since Matt got that new dog, he doesn't have time to do anything," Rob complained. "Matt has to wash Buster, walk him, play with him, feed him, and teach him tricks. There is no time left for me!"

7 "Getting a new pet is exciting, Rob," Mom said. "Before long, Matt will want to spend more time with you. Just be patient."

8 Rob looked at Mom and sighed again. He already felt like he had been patient with Matt. He had helped him wash and walk Buster. Any time Buster was around, Buster got all the attention.

9 "If you really miss spending time with Matt," Pam began, "you should try to enjoy being with his dog. Matt has a new pet, and he is eager to spend time with him. You should be happy for your friend."

10 Rob didn't understand how pretending to be interested in Buster would help his friendship with Matt. "Maybe you could teach Buster how to catch a ball. One of your favorite things to do with Matt is to throw baseballs to each other. Plus, it is a game that all three of you could play together," said Pam.

11 Rob smiled. "I guess I could try," he said. "I can take a ball to the park when we meet there tomorrow."

12 The next day, Rob met Matt and Buster at the park as planned. Matt seemed surprised when Rob said he wanted to teach Buster how to fetch the ball.

13 Matt watched as Rob took Buster into an open field. Rob threw the ball, and Buster ran after it. He ran back to Rob and dropped the ball at his feet. Then Rob rubbed Buster's head. Teaching Buster a new trick seemed to be easy for Rob.

14 "You're great with Buster," Matt said to Rob. "I'm glad you wanted to teach him a new trick, but he can't learn all the games we play. He can't pitch a baseball or hit a home run like you," Matt joked. "Let's take Buster home, and then we can go to the baseball field and practice batting."

15 Soon Rob and Matt were on their way to the baseball field, just like old times. Rob was glad that his old friend with a new dog was still his best friend.

Go On ▶

34 **Read the sentence from the passage.**

They knew Rob was unhappy.

What does the prefix un mean in the underlined word?

F not

G very

H again

35 **Look at the picture.**

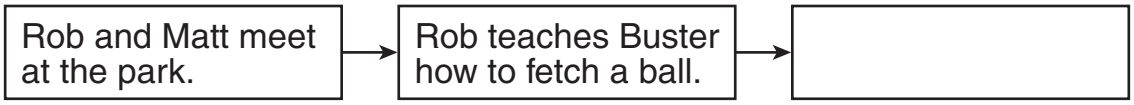
What does this picture at the end of the story show the reader?

A how the two boys feel

B how far away the boys are from home

C how to play ball

36 **Look at the diagram.**



Which event belongs in the empty box?

F Rob and Matt talk on the phone.

G Rob helps Matt walk Buster.

H Rob and Matt take Buster home.

37 **What is the main problem in the story?**

A Rob wants to get his own dog.

B Matt has to care for a new pet.

C Rob wants to spend time with Matt.

Go On ▶

38 **Where are Rob and Matt going at the end of the passage?**

F to a playground

G to a baseball field

H to a park trail

39 **Choose the question that can be answered after reading the passage.**

A What do Rob and Matt like to do together?

B How far can Buster jump to catch a ball?

C Where did Matt go to get his new dog Buster?

Directions **This is a rough draft of a student's report. It contains mistakes. Read the report and answer Numbers 40 through 45.**

Crocodiles and Alligators

1 Many people have a hard time telling the difference between crocodiles and alligators. These animals appear to have many things in common. Crocodiles and alligators also have many differences.

2 Crocodiles have long noses in the shape of a "V." _____, alligators have wide, rounded noses that are shaped like a "U."

3 Crocodiles have special glands in their tongues. These glands help them get rid of extra salt, which helps crocodiles to live in salt water. Alligators have these glands too, but his do not work as well. Therefore, alligators are more likely to live in freshwater lakes creeks and rivers.

4 There are other differences between crocodiles and alligators. However, their noses and where they live are the main differences. It would be very exciting to see these different animals. By studying crocodiles and alligators closely, anybody can learn to tell them apart.

40 **Read these sentences from Paragraph 1.**

These animals appear to have many things in common.
Crocodiles and alligators also have many differences.

Which sentence should be placed between the two sentences?

F Animals like this are often dangerous.

G Therefore, their names are often confused.

H Sometimes these animals eat the same type of food.

Go On ▶

41 **Read these sentences from Paragraph 2.**

> Crocodiles have long noses in the shape of a "V." _____, alligators have wide, rounded noses that are shaped like a "U."

Which word should be placed at the beginning of the second sentence?

A Instead

B However

C Still

42 **Read the sentence from Paragraph 3.**

> Alligators have these glands too, <u>but his do not work as well</u>.

What is the correct way to write the underlined part of the sentence?

F but its do not work as well

G but theirs do not work as well

H but ours do not work as well

43 **Read the sentence from Paragraph 3.**

> Therefore, alligators are more likely to live in <u>freshwater lakes creeks and rivers</u>.

Where do commas belong in the underlined part of the sentence?

A freshwater lakes, creeks, and rivers

B freshwater lakes creeks, and rivers

C freshwater lakes, creeks, and, rivers

44 **Read Paragraph 4.**

There are other differences between crocodiles and alligators. However, their noses and where they live are the main differences. It would be very exciting to see these different animals. By studying crocodiles and alligators closely, anybody can learn to tell them apart.

Which sentence does not belong in this paragraph?

F There are other differences between crocodiles and alligators.

G However, their noses and where they live are the main differences.

H It would be very exciting to see these different animals.

45 **Read the sentence from Paragraph 4.**

By studying crocodiles and alligators closely, anybody can learn to tell them apart.

Which underlined word in the sentence is a compound word?

A studying

B closely

C anybody

Go On ▶

Directions **Read the poem. Then answer Numbers 46 through 49.**

Eagle's Flight

© Mark Strevens/iStockphoto #651420

Soaring, flying, and gliding around —
I see it all without touching the ground.
Clouds like beds of cotton all around.
To the left and right, bright blue skies surround.

But then dark skies roll into view,
Gray thunderclouds push away the blue.
When rumbles begin, it's one small clue.
Then lightning flashes — a storm is abrew!

I fly high above where trouble grows
Watching reddish, golden, and greenish glows.
Gone are blue skies. They've taken a doze.
Storms are one of nature's greatest shows!

Once all is calm and the wind subsides
Silver or black — nature decides.
Me, I keep drifting, choosing no sides.
Taking a trip — one of many lone rides.

46 **Which line from the poem has alliteration?**

F I see it all without touching the ground.

G Watching reddish, golden, and greenish glows.

H Storms are one of nature's greatest shows!

47 **How does the eagle most likely feel after the storm is over?**

A peaceful

B hopeful

C useful

48 **Why is this poem like a fantasy?**

F A bird hears thunder.

G A bird talks to the reader.

H A bird takes a trip.

49 **Read the analogy.**

Right is to left as bright is to _____.

Which word best completes the analogy?

A dark

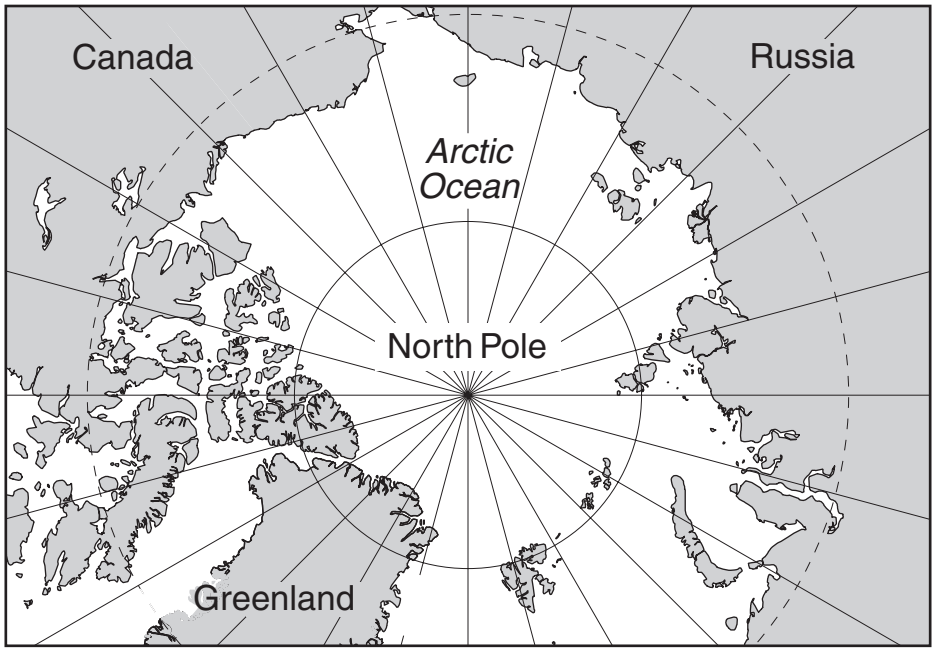
B blue

C calm

Go On ▶

Directions **Read the passage. Then answer Numbers 50 through 56.**

Top of the World



1 The North Pole is located at the northernmost tip of Earth. It is hard to describe what the area looks like because there are no land features such as mountains, rivers, or volcanoes. In fact, the North Pole has no land at all! It is a large mass of ice in the middle of the Arctic Ocean. The nearest land is actually about 440 miles away.

Winter at the North Pole

2 Winter at the North Pole is cold and dark. This part of Earth is tilted away from the sun during this time, so it doesn't get much sunlight at all! The North Pole stays in darkness until the spring.

3 Without the sun, temperatures at the North Pole fall many degrees. February is the coldest month. Average temperatures stay around –30°F. The cold temperatures cause much of the ocean surface to freeze.

Summer at the North Pole

4 In the spring, the sun begins to be seen on the horizon at the North Pole. Daylight begins again! Each day, the sun appears higher in the sky. By summer, sunlight shines all day and all night.

5 When the summer sun shines, the temperature warms the North Pole. July is the warmest month, with temperatures rising to a chilly 32°F. The warmer temperatures cause the large areas of ice to melt and shrink in size.

Arctic Animals

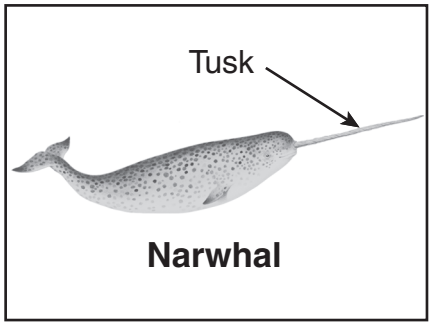
6 Some animals are able to live in such cold temperatures near the North Pole. For example, polar bears live in the North Pole. They are strong swimmers and are able to swim across miles of water at a time. They hunt seals that rest on the drifting ice.

© John Pitcher/iStockphoto #6199255

Polar Bears

7 Ringed seals hunt for fish beneath the ice. The holes in the ice give them places to come up for air. In the spring, seals give birth to babies, called pups, inside dens that are formed in the ice.

8 The narwhal is a small Arctic whale that lives in the deep Arctic waters. It is known for its single spiral tusk. This tusk has caused people to nickname the animal the "unicorn of the sea." The unusual tusk is actually a very long tooth.



Narwhal

© Dorling Kindersley/Dorling Kindersley Rf/
Getty Images #73016290

Travel to the Top

9 The first people to travel to the North Pole made the dangerous trip by dogsled in 1909. About fifty years later, a submarine was the first watercraft to cross the North Pole. Today, planes fly over the North Pole while traveling between continents. No one lives at the North Pole because the temperatures are so cold and because there is no actual land on which to build.

Go On ▶

Trouble at the Top

10 The Arctic area is a beautiful place. However, some scientists worry that it is changing. In recent years, the ice at the North Pole has seemed to shrink. This could cause some animals to lose their homes. People are studying the problem to find ways to save this icy part of the world.

50 **Read the sentence from Paragraph 2.**

> This part of Earth is tilted away from the sun during this time, so it doesn't get much sunlight at all!

Which word means the same as tilted?

F crowded

G divided

H turned

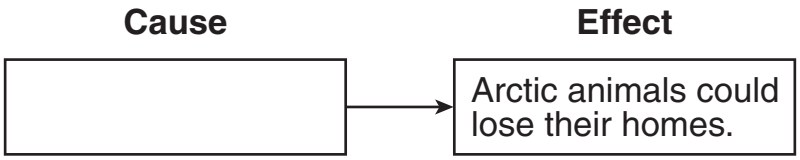
51 **Which sentence from the passage is an opinion?**

A By summer, sunlight shines all day and all night.

B Ringed seals hunt for fish beneath the ice.

C The Arctic area is a beautiful place.

52 **Read the chart below.**



Which of these belongs in the empty box?

F The ice at the North Pole is shrinking.

G Some months the sun does not rise at the North Pole.

H The temperatures at the North Pole are cold.

53 **Which section explains why the surface of the ocean freezes?**

A Winter at the North Pole

B Summer at the North Pole

C Trouble at the Top

54 **The map in the passage helps the reader because it**

F explains why animals live near the North Pole.

G gives information about temperatures at the North Pole.

H shows where the North Pole is located.

Go On ▶

55 **Kate is doing a report about the North Pole. Which source could not be used in 1909?**

A a book

B the Internet

C a newspaper

56 **What information can be found by looking at the picture of the narwhal?**

F the name of a body part on the narwhal

G where the narwhal lives

H how much the narwhal weighs

Directions **Read the paragraph about dragon fruit. Then answer Numbers 57 through 60.**

Dragon Fruit

You might change your mind after eating a dragon fruit. A dragon fruit is a fruit that comes from a cactus, but without any thorns. I bet you'll like it too, if you can get past how it looks on the outside. Some people think dragon fruit tastes so good, they call it "watermelon on trees." The inside of the fruit can be eaten, but the skin cannot. When you cut it in half, the sweet inside is generally white or pinkish, with tiny black seeds.

57 **Which sentence would make the best topic sentence for this paragraph?**

A Most cacti have prickly thorns growing from them.

B When most people think of a cactus, they want to stay away from it.

C Many types of fruit can be found in Mexico, Vietnam, and China.

58 **The author most likely wrote this paragraph for people who**

F enjoy gardening.

G work in a kitchen.

H like to try new things.

Go On ▶

59 **What is another good title for this paragraph?**

A Fruit From a Cactus?

B Fruit Is Good for You

C Cacti Have Thorns

60 **The author most likely wrote this paragraph to**

F inform readers about an interesting fruit.

G persuade readers to grow dragon fruit.

H share with readers how to eat dragon fruit.

Directions **Read and answer Numbers 61 through 66.**

61 **Read the sentence.**

Three kids ran across the field, but Josh was the fast.

What is the correct way to write the underlined word?

A faster

B fasterest

C fastest

62 **Which source would best help Erin find information about how electricity is made?**

F a science book

G a newspaper article

H a dictionary entry

Go On ▶

63 **Read the incomplete sentence.**

The dog with a collar.

Which is a correct way to complete the sentence?

A The dog with a brown collar.

B The dog with a collar barked.

C The dog with a collar and bone.

64 **Read the chart.**

	Favorite Food	Favorite Drink
Andy	oranges	milk
Carrie	cheese	juice

What information should go in the empty box?

F Students

G Types of Fruit

H Dairy Products

65 **Choose the sentence that shows correct use of commas.**

A The student uses pens, pencils, and, paper.

B The student uses pens pencils, and, paper.

C The student uses pens, pencils, and paper.

66 **Read the table of contents from a science book about plants.**

Chapter 1	Types of Plants
Chapter 2	What Plants Need to Live
Chapter 3	Life Cycle of Plants

Which chapter would have information about how much water a plant should receive?

F Chapter 1

G Chapter 2

H Chapter 3

STOP

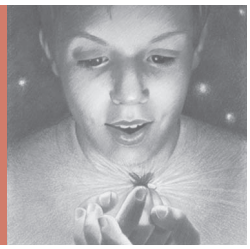
DO NOT

MARK

ON THIS

PAGE

Mathematics



Part 1

1 **Add:**

$$0.3 + 0.18 =$$

A 0.48
B 0.21
C 0.11

2 Which rule could be used to find the next number in the pattern shown below?

6, 12, 24, 48, . . .

F add 6 to 48
G multiply 48 by 2
H multiply 48 by 6

Go On ▶

3 In the year 2006, a county in Tennessee had a population of nineteen thousand, four hundred five. How is nineteen thousand, four hundred five written as a numeral?

A 19,405

B 19,045

C 1,945

4 Misty bought a ball that cost $6.52. She gave the cashier $10.00 for the ball. How much change should Misty have received?

F $4.52

G $3.48

H $2.58

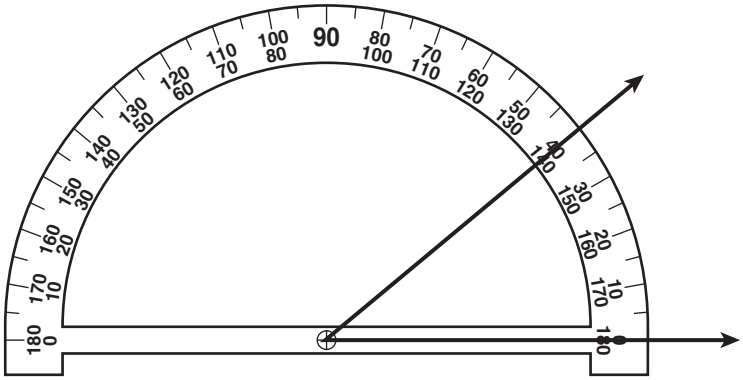
5 Paula has a total of *c* baseball cards in 3 equal groups. Which expression can be used to find the number of cards in each of these groups?

A $c - 3$

B $c \div 3$

C $c \times 3$

6 Devon drew an angle, as shown below.



Sarah drew an angle that was twice the measure of Devon's angle. What was the measure of Sarah's angle?

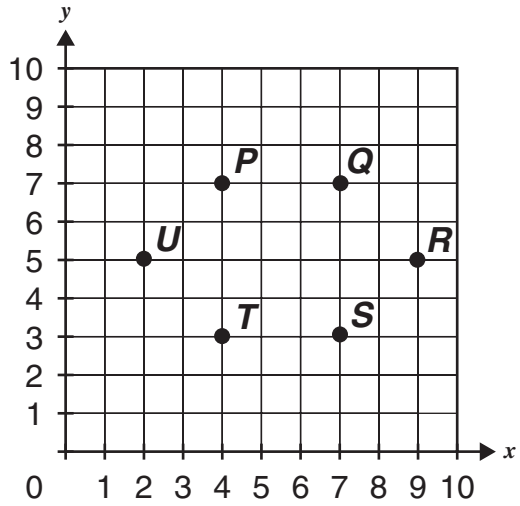
F 20°

G 70°

H 80°

Go On ▶

7 Michelle plotted points on a grid, as shown below.



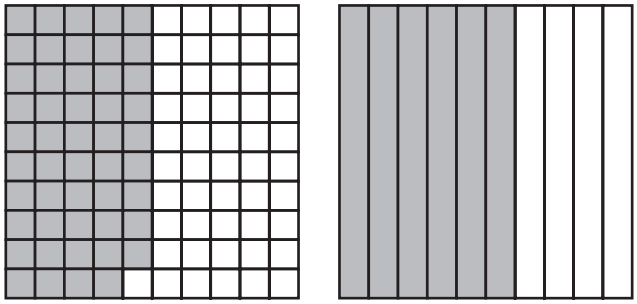
Which figure can be created by connecting these points alphabetically, starting and ending with Point *P*?

A hexagon

B octagon

C square

8 Each model below is shaded to represent a decimal number.



Which number sentence correctly compares these decimal numbers?

F $0.49 < 0.6$

G $0.49 = 0.6$

H $0.49 > 0.6$

9 What is the value of the 3 in the number below?

63,152

A 3 ten-thousands

B 3 thousands

C 3 tens

Go On ▶

10 Which number sentence is true?

F $6 + (8 + 7) = (6 + 8) + 7$

G $6 + (8 + 7) = (6 + 14) + 7$

H $6 + (8 + 7) = (6 + 15) + 7$

11 Rashaad wants to measure the length of his writing pen. Which unit is best for Rashaad to use?

A meter

B kilometer

C centimeter

12 Meena drank 5,000 milliliters of water on Saturday. How many liters are equal to 5,000 milliliters?

1 liter = 1,000 milliliters

F 5 liters

G 50 liters

H 500 liters

13 There are a total of 516 trees in 6 parks. There are an equal number of trees in each park. Exactly how many trees are in each park?

A 96

B 86

C 81

14 The table below shows the total number of servings of cereal in different numbers of boxes.

Boxes of Cereal

Number of Boxes	Total Number of Servings
1	6
2	12
3	18
4	24
5	?

According to the pattern in the table, what is the total number of servings of cereal in 5 boxes?

F 30

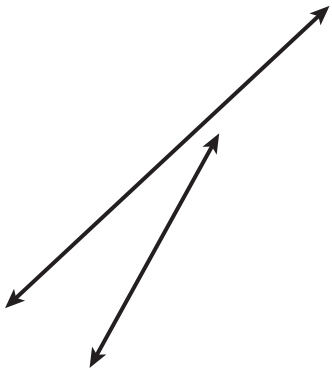
G 36

H 42

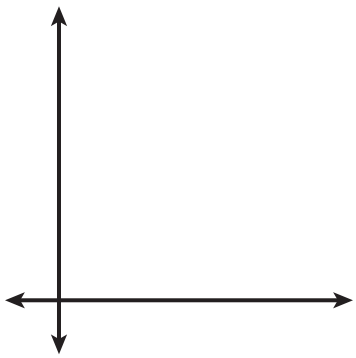
Go On ▶

15 Which pair of lines appears to be parallel?

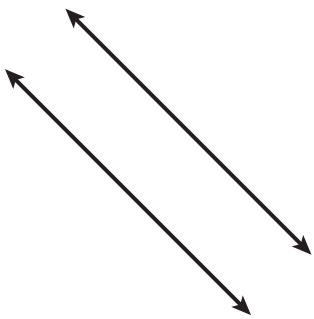
A



B



C



16 One-fourth of the puppies below has spots.

Which decimal number is equivalent to $\frac{1}{4}$?

F 0.25

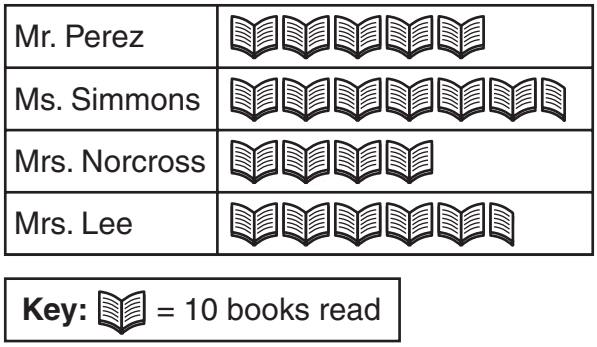
G 0.34

H 0.75

Go On ▶

17 The pictograph below shows the number of books read by the students in 4 teachers' classrooms last month.

Books Read



Which table matches the information in the pictograph?

A

Books Read

Classroom	Number of Books Read
Mr. Perez	50
Ms. Simmons	70
Mrs. Norcross	40
Mrs. Lee	60

B

Books Read

Classroom	Number of Books Read
Mr. Perez	50
Ms. Simmons	60
Mrs. Norcross	40
Mrs. Lee	50

C

Books Read

Classroom	Number of Books Read
Mr. Perez	50
Ms. Simmons	65
Mrs. Norcross	40
Mrs. Lee	55

18 Mr. Salinas bought 5 boxes of pencils. Each box contained 72 pencils. What was the total number of pencils in these boxes?

F 360

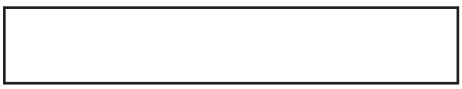
G 350

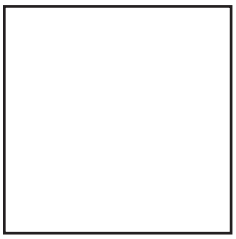
H 77

19 Use the centimeter side of your ruler to help you solve this problem.

Which of these figures has a perimeter of 14 centimeters?

A

B 

C 

Go On ▶

20 LeShawn used triangles to make designs. In each design, he used 6 triangles. Which expression can be used to find the number of triangles he used to make *d* of these designs?

F $6 \times d$

G $6 \div d$

H $6 + d$

21 The students at a school collected cans of food.

- The fourth-grade students collected 564 cans.
- The fifth-grade students collected 739 cans.

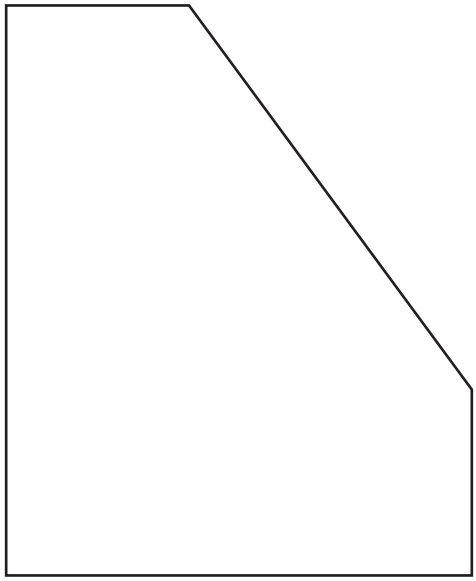
What was the total number of cans collected by these students?

A 1,303

B 1,293

C 175

22 How many right angles does this figure appear to have?



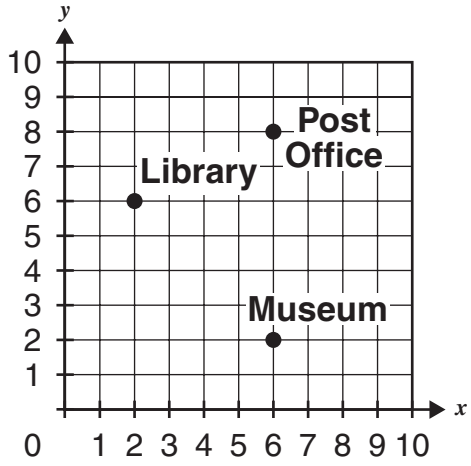
F 2

G 3

H 5

Go On ▶

23 The coordinate grid below shows the locations of 3 buildings in a town.



According to the grid, which building appears to be located at $(6, 2)$?

A Library

B Museum

C Post Office

24 Which number is a common factor of 12 and 28?

F 4

G 6

H 7

25 The table below shows the number of blocks each of 7 children used to build castles.

Castles

Name	Number of Blocks
Ivan	87
Emilio	56
Alice	74
Vanessa	62
Hiroshi	78
Oscar	87
Cindy	124

What is the median number of blocks used by these children?

A 78

B 68

C 62

Go On ▶

26 Desiree is selecting a bead for a necklace. Her choices of shapes and colors of beads are shown below.

Shapes

Star

Heart

Colors

Gold

Silver

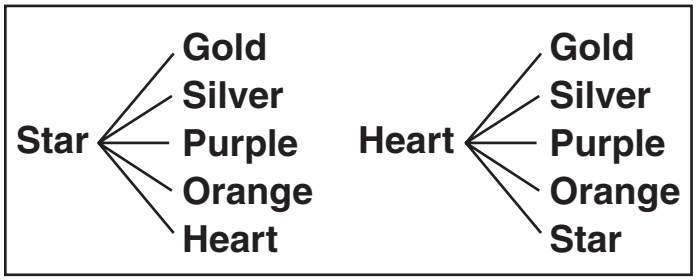
Purple

Orange

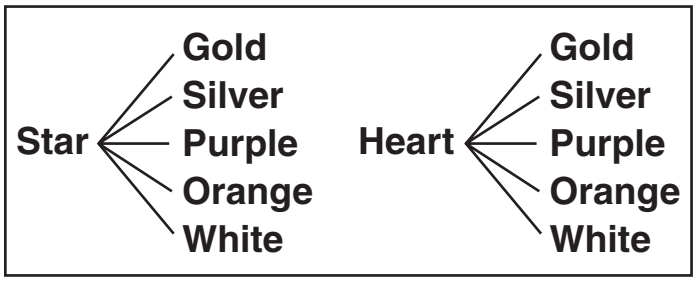
White

Which tree diagram shows all the possible combinations of 1 shape and 1 color?

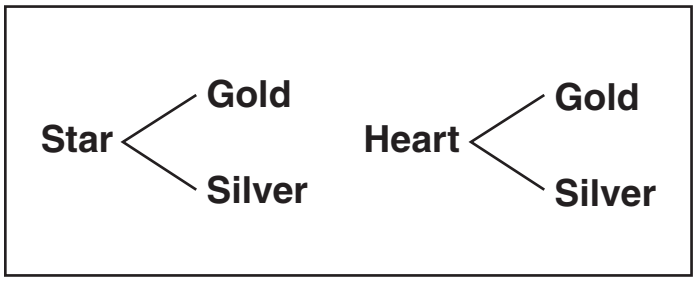
F



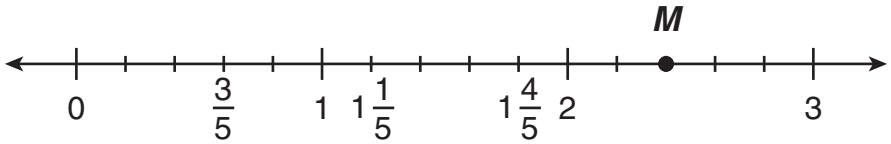
G



H



27 Which mixed number is <u>best</u> represented by Point *M* on the number line below?



A $2\frac{2}{6}$

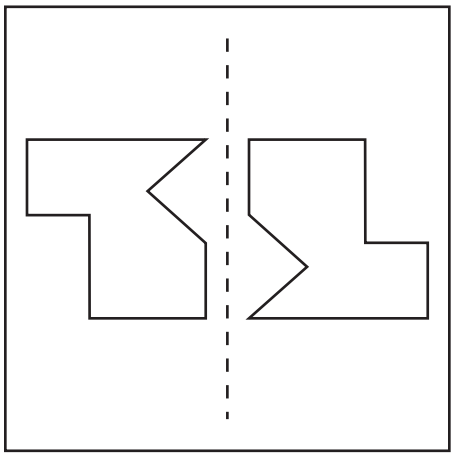
B $2\frac{2}{5}$

C $3\frac{3}{5}$

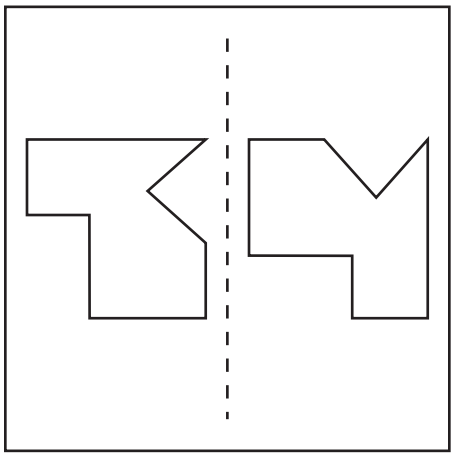
Go On ▶

28 Which pair of figures shows only a rotation?

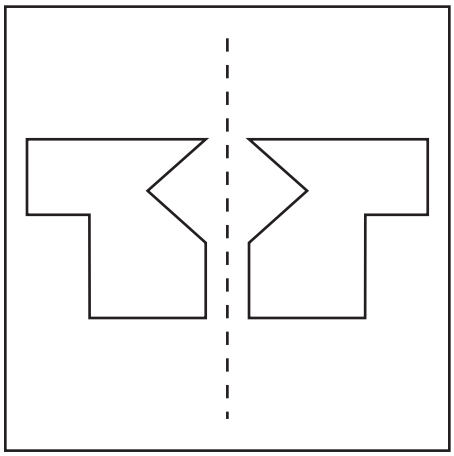
F



G



H



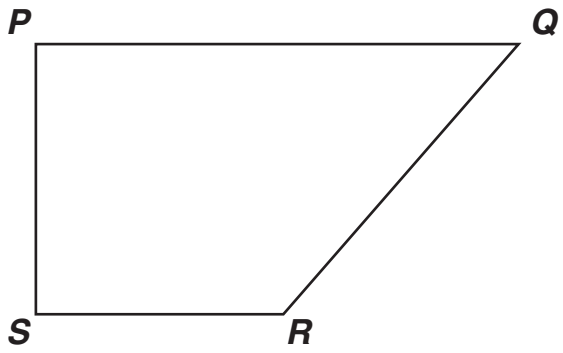
29 Which number sentence is <u>true</u>?

A $\frac{2}{4} < \frac{4}{10}$

B $\frac{6}{8} > \frac{6}{10}$

C $\frac{7}{10} > \frac{3}{4}$

30 Figure *PQRS* is shown below.



Angle *R* appears to be what type of angle?

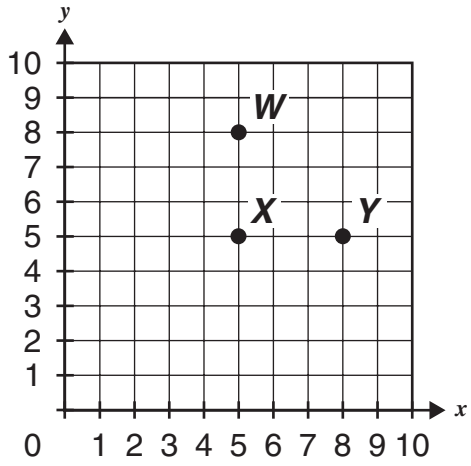
F obtuse

G acute

H right

Go On ▶

31 A coordinate grid is shown below.



Which ordered pair best represents the location of Point *Y*?

A (5, 5)

B (5, 8)

C (8, 5)

STOP

DO NOT

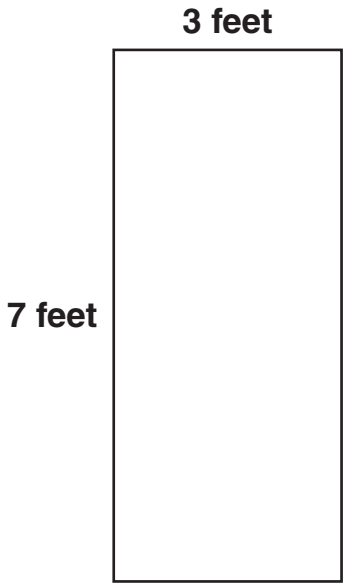
MARK

ON THIS

PAGE

Part 2

32 The picture below shows the dimensions of a rectangular closet door.



What is the perimeter of the closet door?

F 10 feet

G 20 feet

H 21 feet

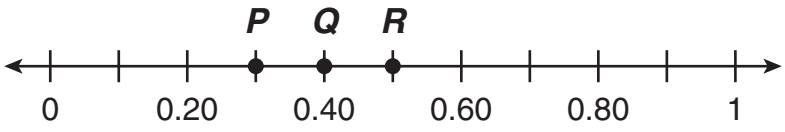
33 Which decimal number is equivalent to $\frac{9}{4}$?

A 2.75

B 2.25

C 2.1

34 The points labeled on the number line below represent decimal numbers.



Which point represents a decimal number greater than 0.45?

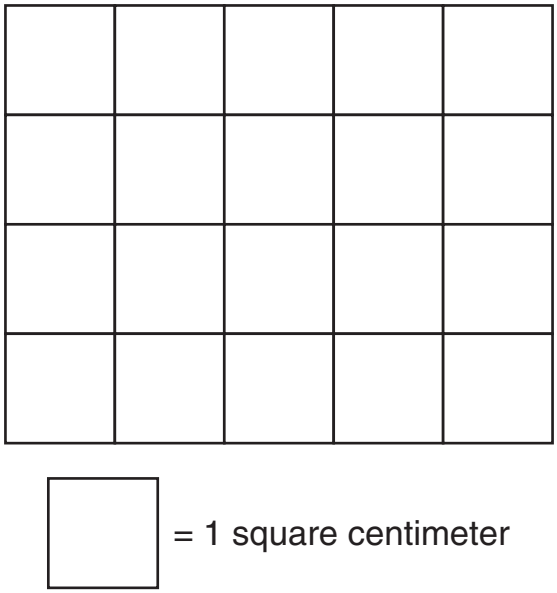
F Point *P*

G Point *Q*

H Point *R*

Go On ▶

35 The figure below represents the dimensions of an index card.



What is the area of the index card?

Area = length × width

A 20 square centimeters
B 18 square centimeters
C 9 square centimeters

36 The list below shows Khalid's scores in each of 5 math games.

45, 16, 52, 34, 16

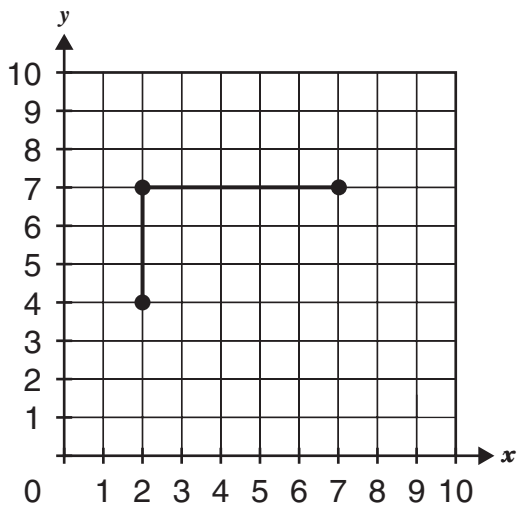
What is the range of these scores?

F 16

G 34

H 36

37 Brad plotted points that represent three vertices of a rectangle on the coordinate grid below.



Which ordered pair <u>best</u> represents the fourth vertex of Brad's rectangle?

A (4, 7)

B (7, 2)

C (7, 4)

Go On ▶

38 **Divide:**

$$805 \div 5 =$$

F 161

G 107

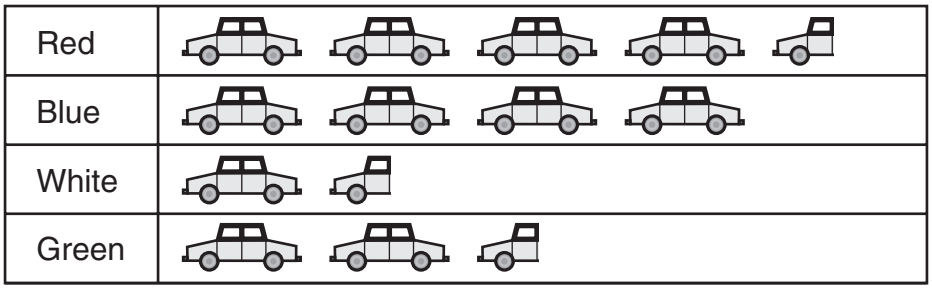
H 101

39 The list below shows the number of each color of car in a parking lot.

- There are 18 red cars.
- There are 16 blue cars.
- There are 6 white cars.
- There are 10 green cars.

The pictograph represents the information in the list.

Cars in Parking Lot



Which key correctly completes the pictograph?

A Each means 5 cars.

B Each means 4 cars.

C Each means 2 cars.

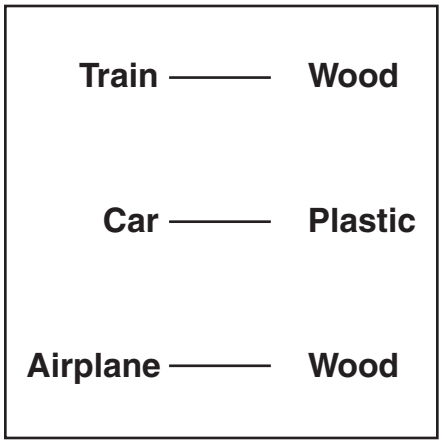
Go On ▶

40 Terrence is buying a model kit. His choices of model kits and types of material are shown below.

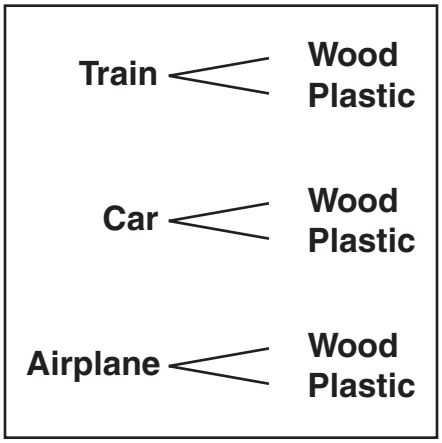
Model Kits	Types of Material
Train	Wood
Car	Plastic
Airplane	

Which list shows all the possible combinations of 1 model kit and 1 type of material?

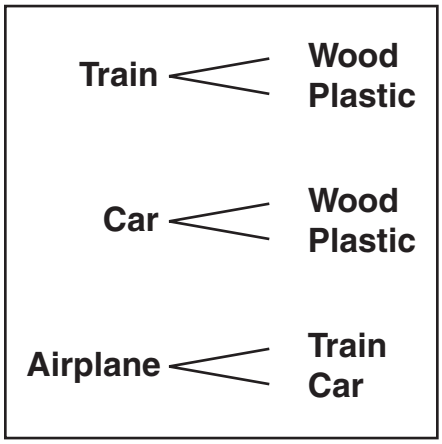
F



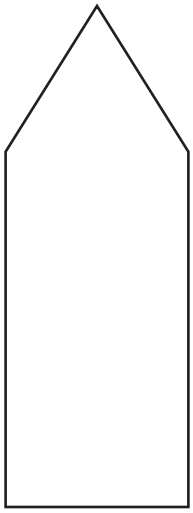
H



G



41 How many angles on the figure below appear to be acute?



A 5

B 2

C 1

42 **Subtract:**

$$\frac{7}{12} - \frac{2}{4} =$$

F $\frac{1}{12}$

G $\frac{5}{12}$

H $\frac{5}{8}$

Go On ▶

43 A table in a classroom is exactly 6 feet long. How long is this table, in inches?

1 foot = 12 inches

A 2 inches

B 18 inches

C 72 inches

44 Which number is a common multiple of 6 and 8?

F 16

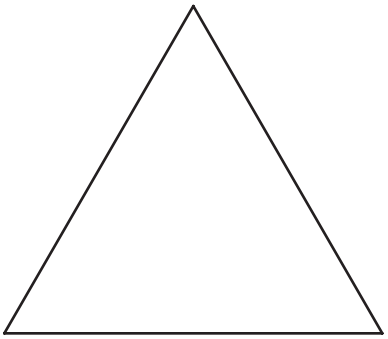
G 24

H 36

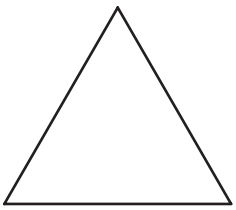
45 Use the centimeter side of your ruler to help you solve this problem.

Sonia drew a triangle with a length of 3 centimeters on each side. Quentin drew a triangle with a length that was 2 centimeters longer on each side. Which of these triangles could be Quentin's triangle?

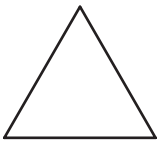
A



B



C



Go On ▶

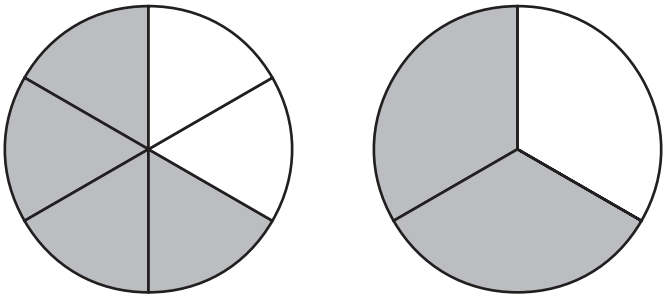
46 A city received a total of 12.4 centimeters of rain in 1 week. How is the number 12.4 written in words?

F twelve and four hundredths

G one hundred twenty-four

H twelve and four tenths

47 The models below are shaded to represent two fractions.



$\frac{4}{6}$ $\frac{2}{3}$

Which number sentence about these fractions is correct?

A $\frac{4}{6} < \frac{2}{3}$

B $\frac{4}{6} > \frac{2}{3}$

C $\frac{4}{6} = \frac{2}{3}$

48 In which situation would measuring volume to the nearest milliliter be most important?

F measuring the volume of water in a bathtub when taking a bath

G measuring the volume of water in a beaker for a science project

H measuring the volume of water in a sink for washing dishes

49 The table below shows the total number of batteries in different numbers of packages.

Packages of Batteries

Number of Packages	Total Number of Batteries
3	12
6	24
9	36
12	48

Based on the table, what is one way to find the total number of batteries in 15 packages?

A multiply 15 by 4

B multiply 15 by 9

C add 15 and 9

Go On ▶

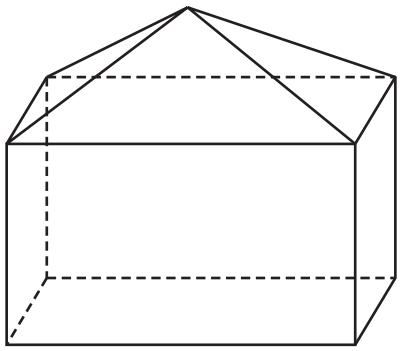
50 Marco will save $5 every week. How many weeks will it take Marco to save a total of exactly $75?

F 70 weeks

G 15 weeks

H 11 weeks

51 A rectangular pyramid and a rectangular prism were combined to make the new figure below.



Exactly how many edges does this new figure have?

A 9

B 12

C 16

52 Linda measured the weight of a banana. Which of these is closest to the weight of a banana?

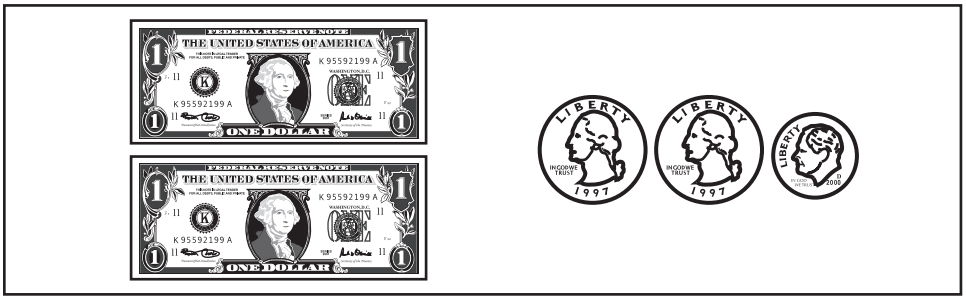
F 4 pounds

G 4 ounces

H 4 tons

53 Zack spent a total of $2.40 on pencils at a store. He paid with $5. Which set of money shows the exact amount of change Zack should have received?

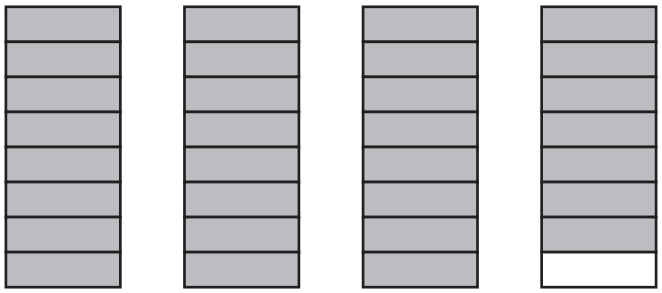
A



B

C

54 The model below is shaded to show $3\frac{7}{8}$.



Which improper fraction is equivalent to $3\frac{7}{8}$?

F $\frac{59}{8}$

G $\frac{31}{8}$

H $\frac{29}{8}$

55 The figures below follow a pattern.

The pattern will continue in the same way. Which figure should come next?

A

B

C

56 A tennis team drank 3 gallons of water on Thursday. How many quarts of water did the tennis team drink on Thursday?

1 gallon = 4 quarts

F 7 quarts

G 12 quarts

H 13 quarts

Go On ▶

57 Which number sentence is <u>true</u>?

A $11 \times 7 = 70 \times 7$

B $11 \times 7 = 70 + 7$

C $11 \times 7 = 77 + 7$

58 Which number has a 6 in the hundreds place?

F 2,064

G 6,400

H 9,620

59 The table below shows the number of times each of 3 players practiced tennis last month.

Tennis Practices

Name	Number of Times Practiced
Debbie	8
Gabriel	24
Peter	3

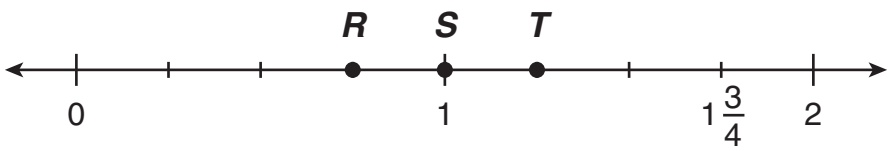
According to the table, how many more times did Gabriel practice tennis than Debbie and Peter combined?

A 35

B 13

C 11

60 Which point <u>best</u> represents $1\frac{1}{4}$ on the number line below?



F Point *R*

G Point *S*

H Point *T*

Go On ▶

61 Miguel bought 6.5 gallons of gasoline. He used 3.8 gallons of this gasoline. How many gallons of this gasoline did Miguel have left?

A 3.7

B 3.3

C 2.7

STOP

DO NOT

MARK

ON THIS

PAGE

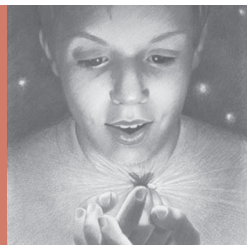
DO NOT

MARK

ON THIS

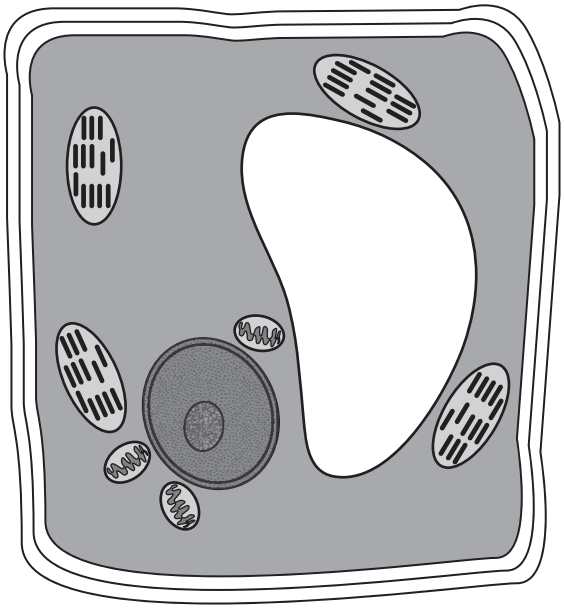
PAGE

Science



Part 1

1 **A diagram of a plant cell is shown below.**



Which part is only found in plant cells?

A nucleus

B vacuole

C chloroplast

Go On ▶

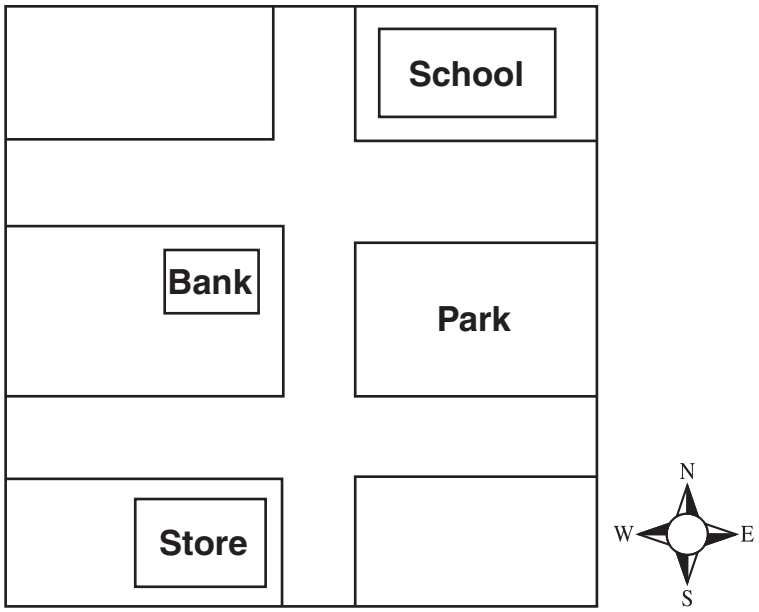
2 **Which unit is <u>best</u> to use when measuring a volume of cooking oil?**

F centimeter

G centigram

H milliliter

3 **Look at the map of a town below.**



Where is the store located?

A east of the school

B south of the bank

C north of the park

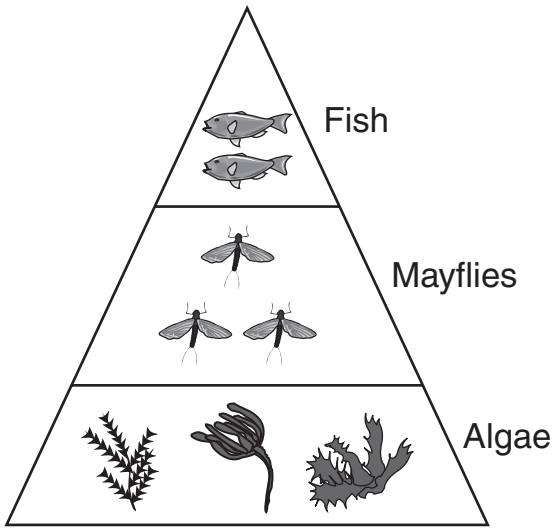
4 **A teacher tells the class that it will be cold and rainy. Which term <u>best</u> describes this information?**

F season

G weather

H climate

5 **An energy pyramid is shown below.**



Which organisms are producers?

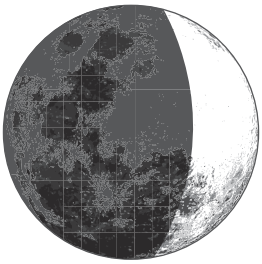
A Fish

B Mayflies

C Algae

Go On ▶

6 **A phase of the moon is shown below.**



Which shows the correct order of moon phases that would follow?

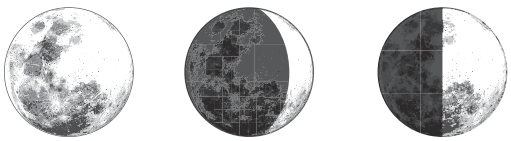
F

First Quarter | Full Moon | Crescent Moon

G

First Quarter | Full Moon | Last Quarter

H



Full Moon | Crescent Moon | Last Quarter

7 **Which action would best model wind erosion?**

A

B

C

Go On ▶

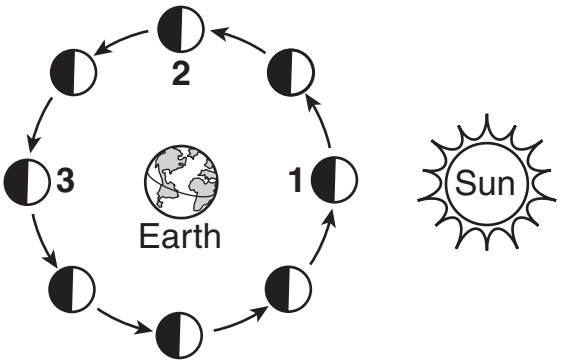
8 **What causes water in a stream to flow downhill?**

F wind

G gravity

H friction

9 **A drawing of the sun-Earth-moon system is shown below.**



Where would the moon be when a full moon can be seen on Earth?

A 1

B 2

C 3

10 **Giraffes have long necks. This adaptation helps these animals survive by allowing giraffes to**

F run faster.

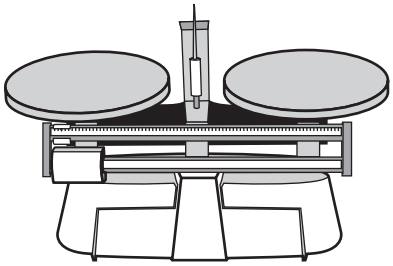
G hide from predators.

H reach more food.

Go On ▶

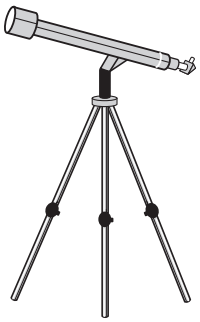
11 **The invention of which tool helped scientists see small parts in cells?**

A



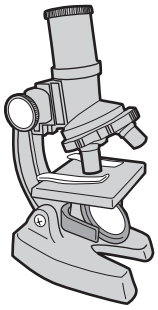
Balance

B



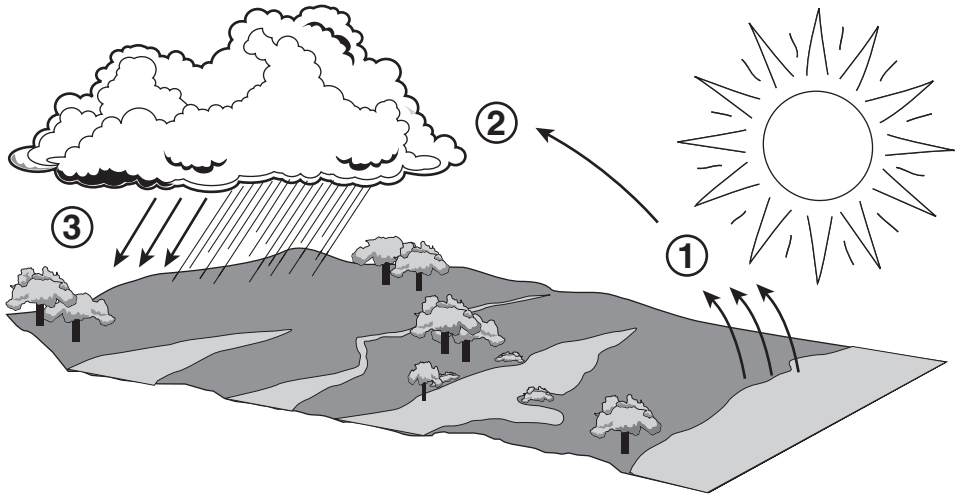
Telescope

C



Microscope

12 **A drawing of a water cycle is shown.**



Which process happens at the number 3?

F condensation

G precipitation

H evaporation

13 **A student ran a plastic comb through her hair. Then the student placed the comb near a sheet of tissue paper. Which most likely happened next?**

A The comb made the tissue smaller.

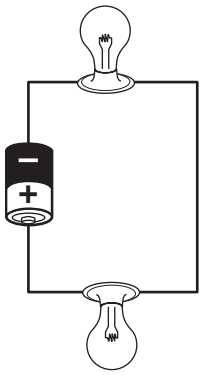
B The comb and the tissue were attracted.

C The comb repelled the tissue.

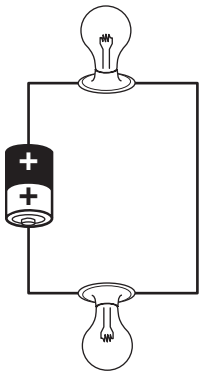
Go On ▶

14 **Which diagram correctly shows a circuit that will light the bulbs?**

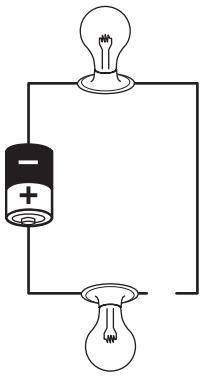
F



G



H



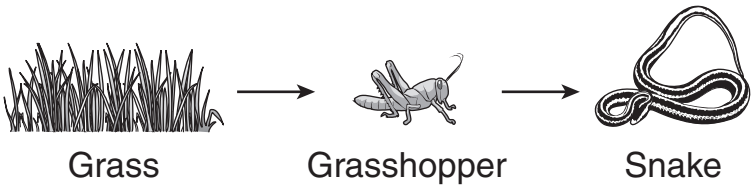
15 **A student wants to know if sugar will undergo a physical change. Which investigation will best test for a physical change?**

A burning sugar with a flame

B mixing sugar with water

C observing sugar under a microscope

16 **The diagram below shows a food chain from a habitat.**



Which would most likely happen if a population of rabbits was introduced to this habitat?

F The grass would grow longer.

G The population of snakes would increase.

H The population of grasshoppers would have less to eat.

17 **Some eagles eat fish that contain chemicals from polluted water. Some chemicals cause the eagles' eggs to have thin shells that break easily. Which will most likely happen to eagles that live near polluted water?**

A The eagles will eat other foods.

B More eagles will migrate south.

C Fewer eagles will survive.

Go On ▶

18 **A photo of a lamp is shown below.**

© Titelio/Dreamstime #7059306

When the lamp is on, which type of energy is being produced?

F light

G chemical

H nuclear

19 **Which earth material is <u>best</u> used to conduct electricity?**

A copper

B glass

C steel

20 **A worker used a wheelbarrow to move some soil.**

Which of these was reduced by using the wheelbarrow to move the soil?

F friction

G gravity

H air pressure

21 **Water vapor in the air forms water droplets on glass windows only when the glass is**

A the same temperature as the air around it.

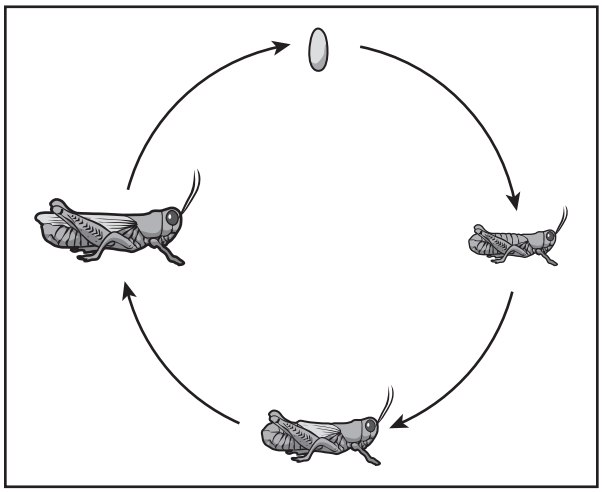
B warmer than the air around it.

C cooler than the air around it.

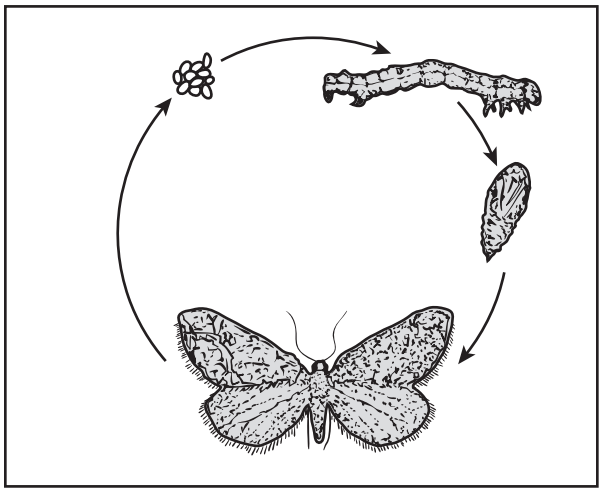
Go On ▶

22 **Which diagram shows an incomplete metamorphosis?**

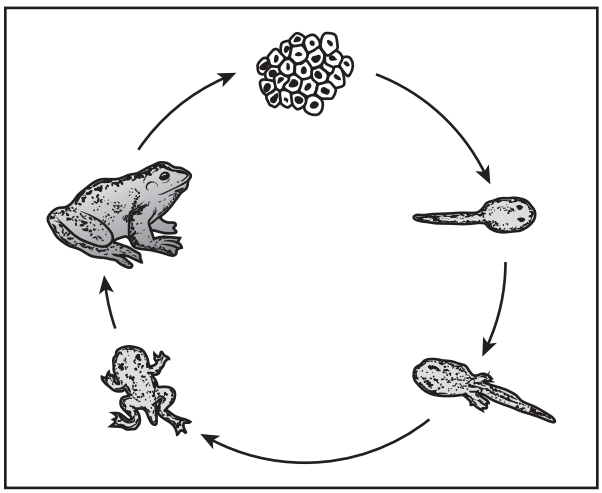
F



G



H



23 **Which material is used as a source of heat to help people keep warm when it is cold?**

A iron

B gold

C natural gas

24 **Which tool will best measure the boiling point of water?**

F thermometer

G stopwatch

H meter stick

25 **Today glaciers are melting faster than in the past. The air temperature around glaciers over a period of years is best described as**

A weather.

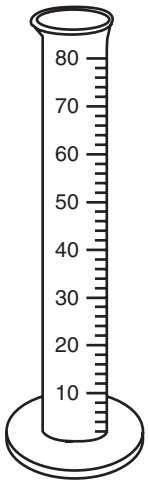
B climate.

C precipitation.

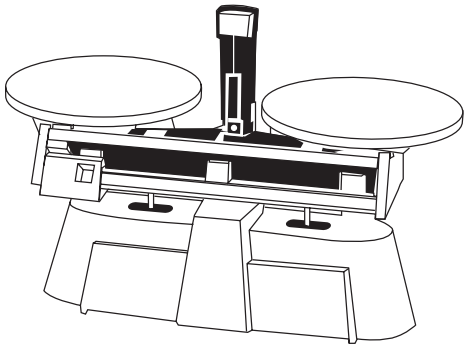
Go On ▶

26 **Which tool is <u>best</u> to measure the volume of a liquid?**

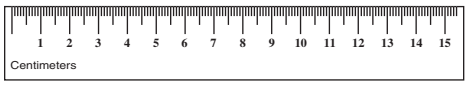
F



G



H



27 **Which object will most likely be transparent?**

A glass window

B wooden door

C metal cabinet

28 **A student made a stack of three magnets. In which stack are all three magnets attracted to each other?**

F

N	S
N	S
S	N

G

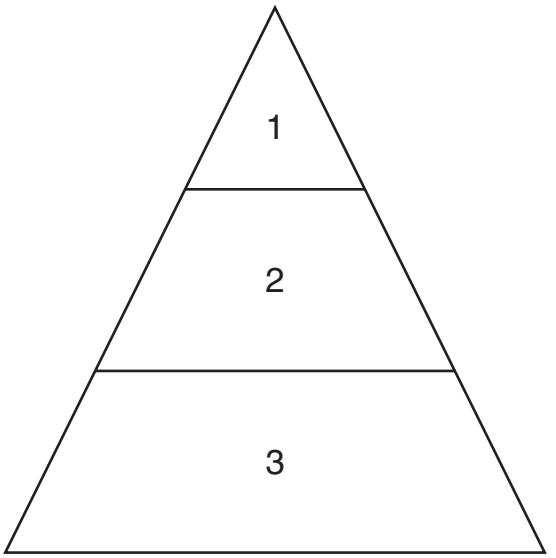
N	S
S	N
N	S

H

S	N
S	N
N	S

Go On ▶

29 **An energy pyramid is shown below.**



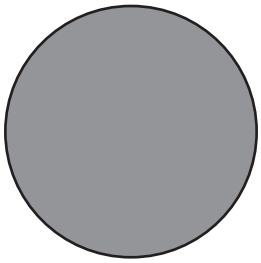
Rabbits are animals that eat plants. Where in the energy pyramid would a rabbit belong?

A 1

B 2

C 3

30 **The picture below shows a phase of the moon.**



New Moon

What causes this phase of the moon?

F The sun is rotating around Earth.

G The moon is between Earth and the sun.

H Earth is between the sun and the moon.

Go On ▶

31 **Which object reflects the <u>most</u> light?**

A

Mirror

B

Window

C

Glasses

STOP

DO NOT

MARK

ON THIS

PAGE

Part 2

32 **Which part of a cell is found in plant cells but not in animal cells?**

F cell membrane

G cell wall

H nucleus

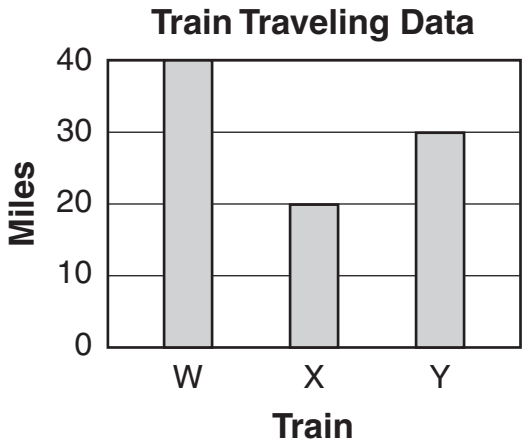
33 **What type of energy is stored in a battery?**

A chemical

B heat

C light

34 **The graph shows the distance that three different trains traveled.**



If each train traveled for four hours, which train traveled at the fastest speed?

F Train W

G Train X

H Train Y

Go On ▶

35 **A student wants to find out how long it will take for a cup of hot water to change from a liquid to a gas. Which of these activities will best help the student?**

A using a magnifying glass to watch the change

B using a thermometer to measure the temperature

C using a stopwatch to record the time

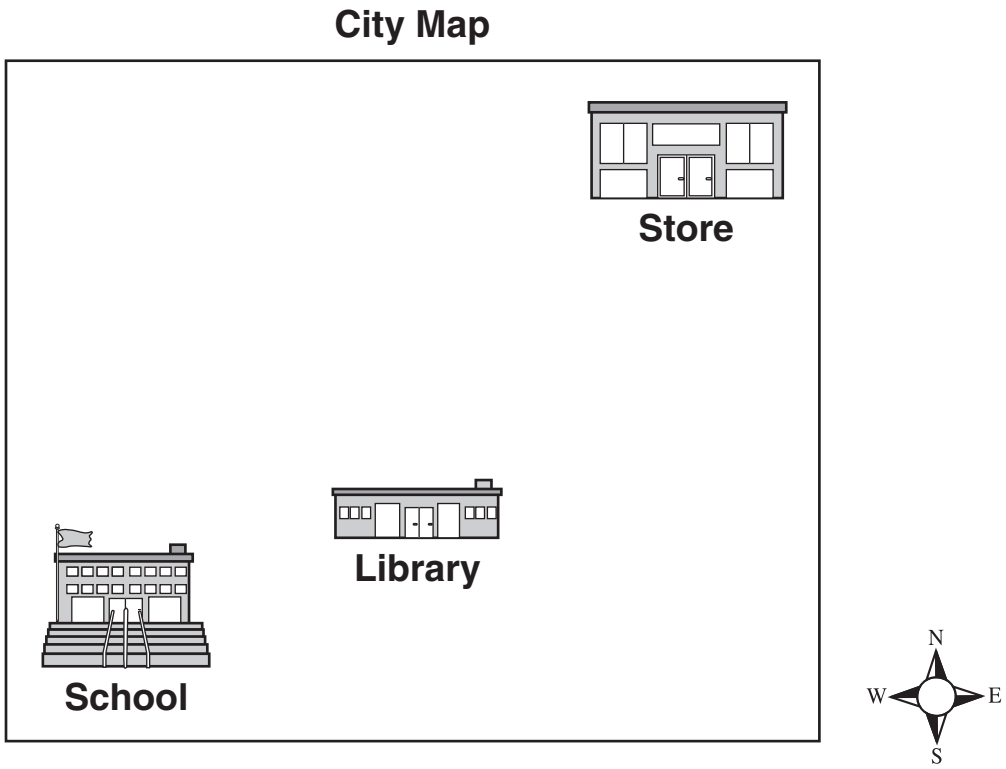
36 **The thick fur of a polar bear most likely helps it survive by**

F keeping it warm.

G helping it find food.

H protecting it from predators.

37 **A city map is shown below.**



Students are walking from the school to the store. In what direction are the students traveling?

A northwest

B northeast

C southeast

38 **Which moon phase comes right after a new moon?**

F full moon

G quarter moon

H crescent moon

Go On ▶

39 **People living near a small field sprayed a strong chemical to get rid of the insects living there.**

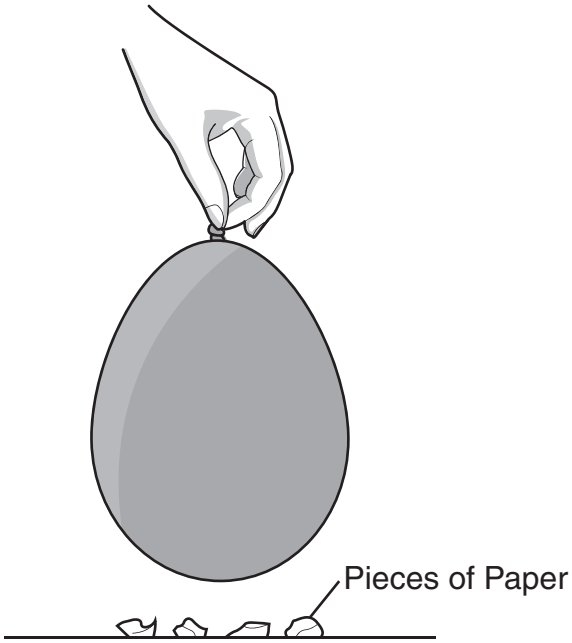
How will fewer insects in the field affect flowering plants?

A Fewer flowering plants will reproduce.

B The flowers will produce less nectar.

C The plants will produce more flowers.

40 **A student rubbed a balloon on her head. The student then held the electrically charged balloon over some small pieces of paper.**



What will most likely happen to the small pieces of paper?

F The pieces will stick to the table.

G The pieces will be attracted to the balloon.

H The pieces will move away from the balloon.

41 **Which statement is the best description of climate?**

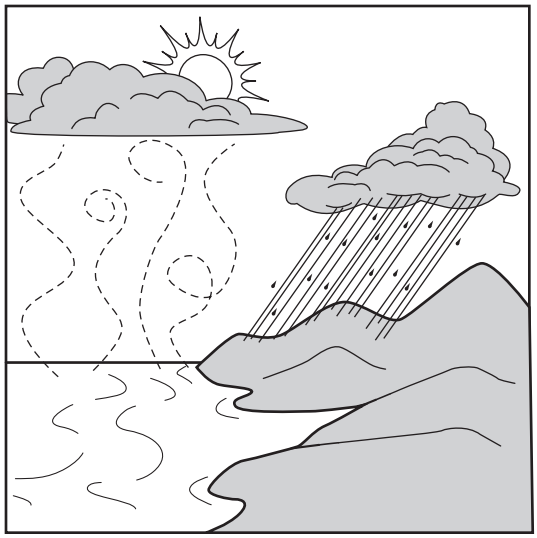
A The yearly rainfall average for Nashville, Tennessee, is 122 centimeters.

B Knoxville, Tennessee, had 10.2 centimeters of rain today.

C The temperature was 10°C in Jackson, Tennessee, on Monday.

Go On ▶

42 **A diagram of a water cycle is shown.**



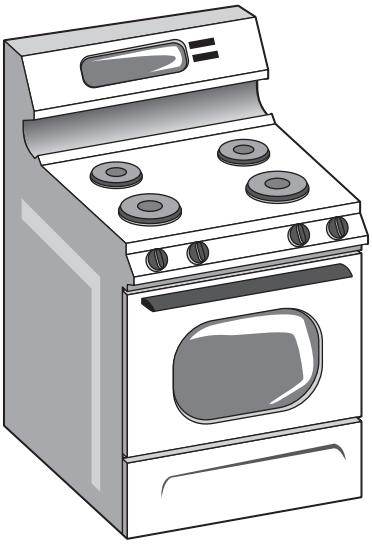
Which process forms clouds?

F runoff

G condensation

H precipitation

43 **Ovens are used to cook food.**



What type of energy is used to cook food in an oven?

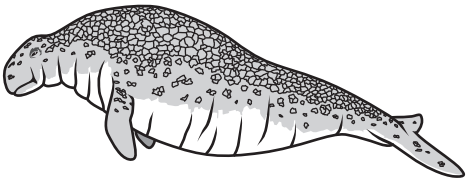
A heat

B solar

C chemical

Go On ▶

44 **Steller's sea cows are now extinct.**



When Steller's sea cows were alive, much of their bodies were used by humans. Which is the most likely reason the Steller's sea cow became extinct?

F It was over-hunted.

G Its food ran out.

H Its habitat was destroyed.

45 **Four phases that appear after a full moon are shown below out of order.**

1 2 3 4

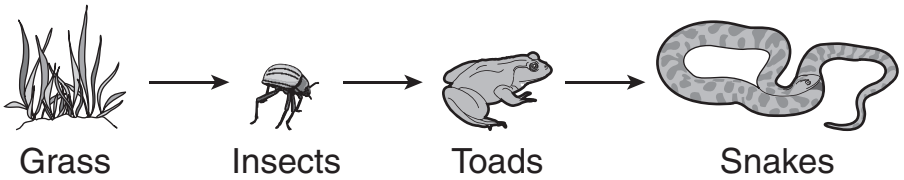
Which of these shows the correct order of the phases that follow the full moon?

A 2 — 3 — 1 — 4

B 2 — 4 — 1 — 3

C 3 — 1 — 4 — 2

46 **A food chain is shown below.**



What would happen first if the snakes were removed from this food chain?

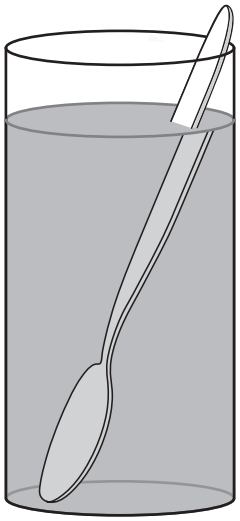
F The grass population would increase.

G The insect population would increase.

H The toad population would increase.

Go On ▶

47 **A spoon is shown in a glass of water.**



The spoon looks broken because light is

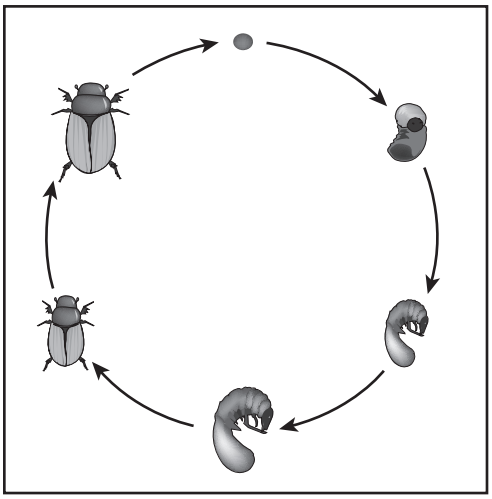
A absorbed.

B reflected.

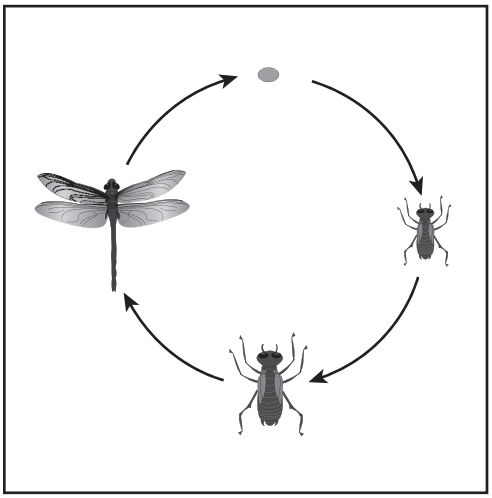
C refracted.

48 **Which life cycle diagram shows complete metamorphosis?**

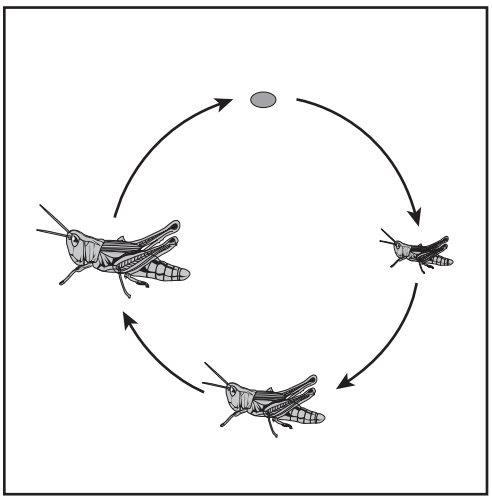
F



G

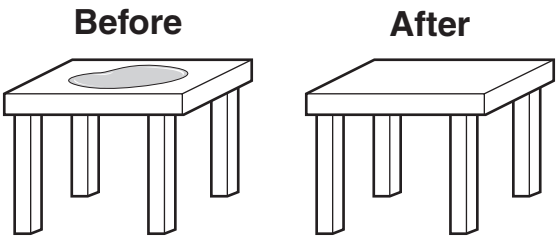


H



Go On ▶

49 **A puddle of water was left on a table in a classroom.**



What most likely caused the water on the table to evaporate?

A heat

B wind

C gravity

50 **The number of rainy days during a month would be an example of**

F season.

G climate.

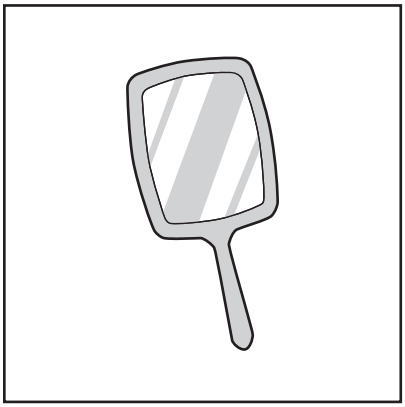
H weather.

51 Which object shown below is most likely transparent?

A

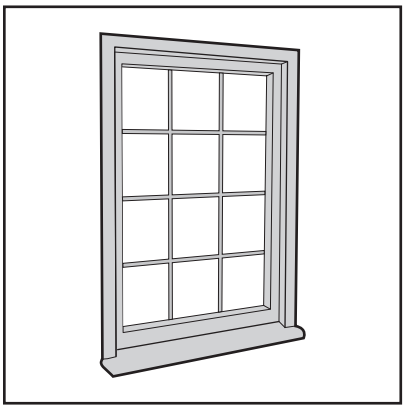
T-shirt

B



Hand Mirror

C



Glass Window

Go On ▶

52 **Which unit should students use to record the temperature of a liquid?**

F degree Celsius

G centimeter

H milliliter

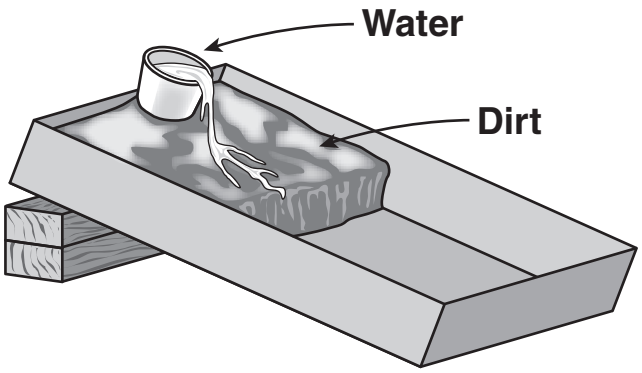
53 **Which best describes what happens to an ice cube when it melts?**

A It changes from a liquid to a gas.

B It changes from a solid to a liquid.

C It changes from a gas to a solid.

54 **The picture below shows an investigation.**



This experiment is most likely intended to model erosion by

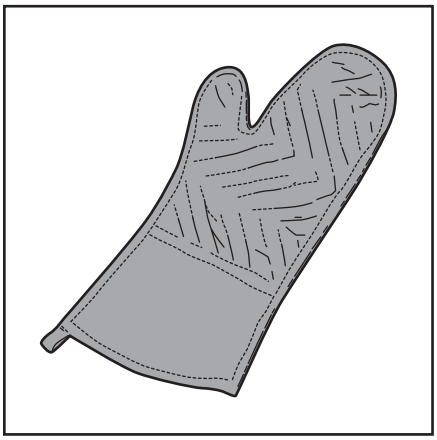
F dirt.

G wind.

H water.

55 **Scientists have discovered that a type of plastic is an effective insulator to block heat. What tool was developed as a result of this discovery?**

A

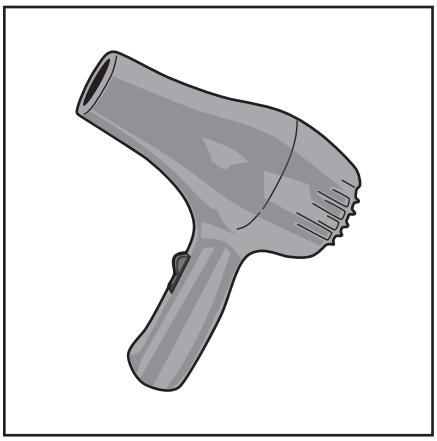


Oven Mitt

C

Digital Clock

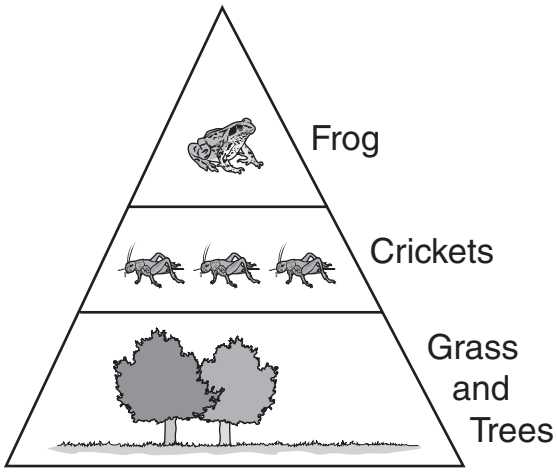
B



Hair Dryer

Go On ▶

56 **An energy pyramid is shown below.**



Based on the energy pyramid, the frog is

F an herbivore.

G a carnivore.

H a producer.

57 **The table below shows how long it took three cars to travel 10 miles each.**

Travel Data

Car	Time (minutes)
Red Car	15
Green Car	20
Blue Car	30

Which car had the slowest speed?

A Red Car

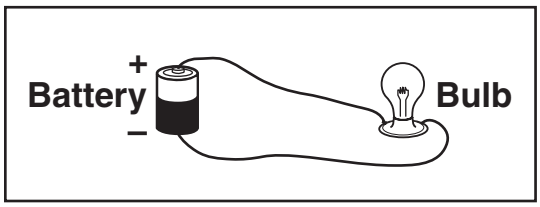
B Green Car

C Blue Car

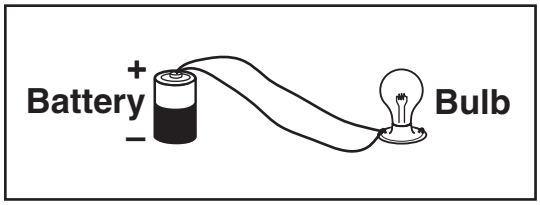
Go On ▶

58 **Which diagram shows a complete electrical circuit?**

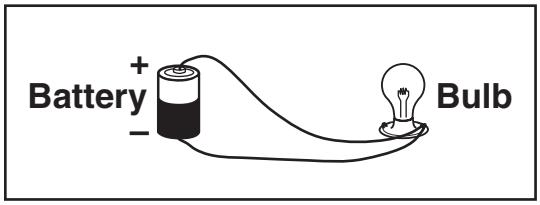
F



G

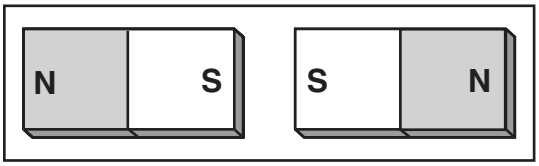


H

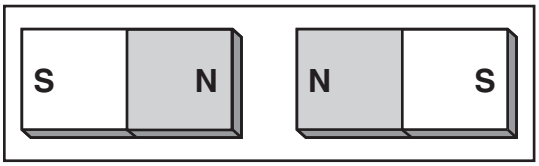


59 **Which picture shows magnets that attract each other?**

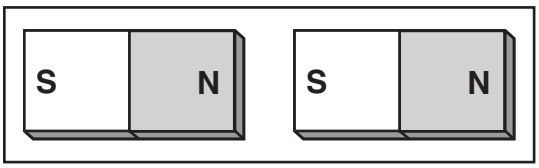
A



B

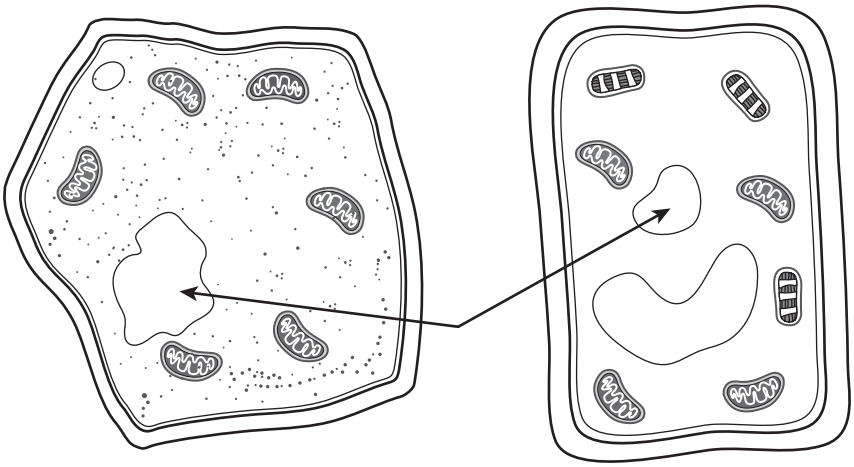


C



Go On ▶

60 **Diagrams of a plant and animal cell are shown.**



At which part of the cells are the arrows pointing?

F cytoplasm

G vacuole

H nucleus

61 **Which tool should be used to measure the volume of water in a paper cup?**

A microscope

B graduated cylinder

C thermometer

STOP

DO NOT

MARK

ON THIS

PAGE

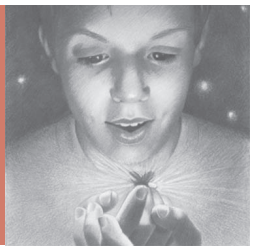
DO NOT

MARK

ON THIS

PAGE

Social Studies



Part 1

1 **Which action is an example of a person using a money system?**

A Ricardo pays forty dollars for a new basketball.

B Sonia gives her extra fruit cup to a new friend.

C Michelle receives a holiday card from her neighbor.

2 **One reason for writing the United States Constitution was that**

F the government had no judicial system.

G taxes were owed by large companies.

H the country was divided over slavery.

3 **Which Native American group lived in Tennessee before the Europeans arrived?**

A Aztec

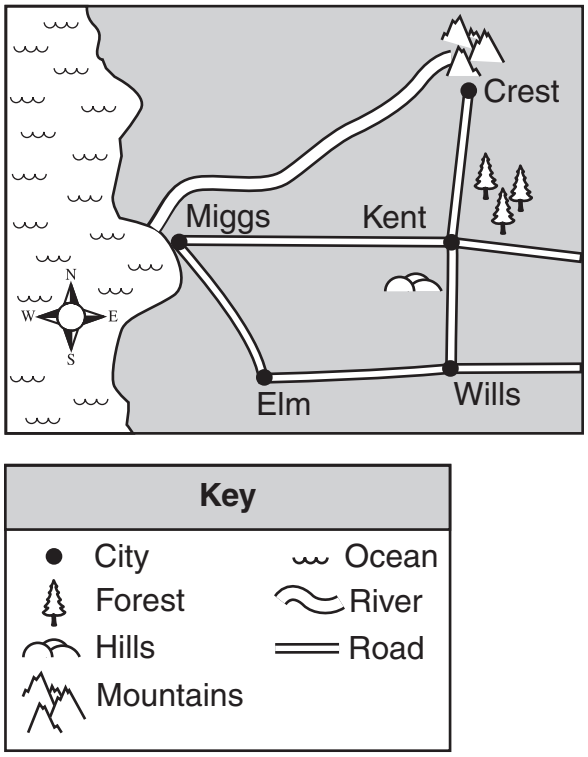
B Creek

C Olmec

Go On ▶

Directions Use the map below to do Number 4.

Grant County



4 **Kent is located nearest to**

F a forest.

G a mountain.

H an ocean.

5 **What part of the federal government decides if a law follows the U.S. Constitution?**

A the Congress

B the President

C the Supreme Court

6 **Many plantation owners wanted slavery to stay legal because slaves**

F were a cheap source of labor.

G knew the best ways to sell crops.

H had the newest farming tools available.

transportation boundaries food and water source

7 **Which of these provide the needs listed above?**

A deserts

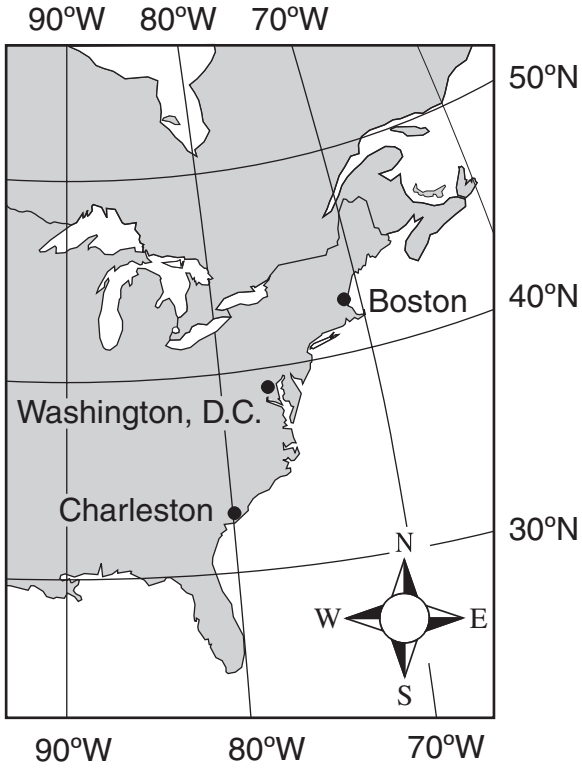
B mountains

C rivers

Go On ▶

Directions Use the map below to do Numbers 8 and 9.

Some Cities in North America



8 **Which of these cities is located at about 32°N and 80°W?**

F Boston

G Charleston

H Washington, D.C.

9 **Which of these best describes the location of Washington, D.C.?**

A 38°N and 77°W

B 42°N and 71°W

C 40°N and 75°W

10 **Before the American Revolution, colonists protested laws which forced them to provide British soldiers with**

F cannons.

G housing.

H clothing.

11 **Which European group settled in Florida in the 1500s?**

A French

B German

C Spanish

Go On ▶

Directions Use the passage below to do Number 12.

Report on the General Conditions and Needs of the Missions of Upper California

It is of the greatest importance that the missions be provided with laborers, to farm the land, and so raise crops. . . .

As regards our food supply . . . our sufferings are great. . . .

—Father Junipero Serra

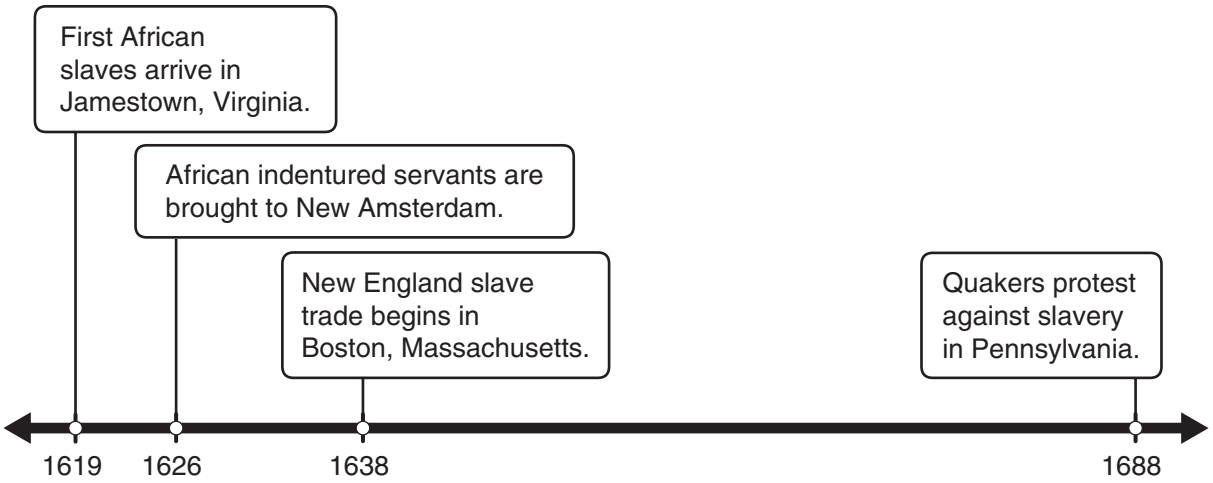
12 **What problem is described in the passage?**

F living in cold weather

G getting enough to eat

H fighting native warriors

Directions Use the timeline below to do Numbers 13 and 14.



Note: Dates are approximate.

13 **Based on the timeline, when did the slave trade begin in New England?**

A 1626

B 1638

C 1688

14 **What does the timeline say about slavery in the colonies between 1619 and 1688?**

F Slaves were used mainly on small farms.

G There was slavery in both northern and southern colonies.

H It was against the law to own slaves.

Go On ▶

15 **Which of these settlements was built on the Charles River?**

A Jamestown

B Santa Fe

C Boston

Congress	Supreme Court
• Passes laws • Approves Justices for the Supreme Court	?

16 **Which phrase <u>best</u> completes the chart above?**

F Decides if laws are constitutional

G Suggests new laws for the country

H Chooses the number of judges

17 **Which is the main reason French settlers came to Tennessee in the 1700s?**

A to mine coal

B to raise tobacco

C to trade furs

> Reports . . . contained such . . . messages as: "Cholera broke out . . ." and "489 persons from 800 arrived."
>
> — Interview with Descendent of Trail of Tears Survivors, 1970

18 **This passage suggests that in the Trail of Tears, Native Americans**

F returned to their villages.

G suffered from disease.

H defended their homes from attack.

19 **What was the main reason for colonists dumping tea off of British ships during the Boston Tea Party?**

A stopping colonial trade

B taxing without representation

C destroying colonial plantations

Go On ▶

20 **The abolitionist movement angered many people in the South because it**

F called for the end of slavery.

G increased taxes for plantations.

H supported trade with other countries.

21 **Sequoyah is an important person in history because he**

A united several tribes.

B invented an alphabet.

C guided early explorers.

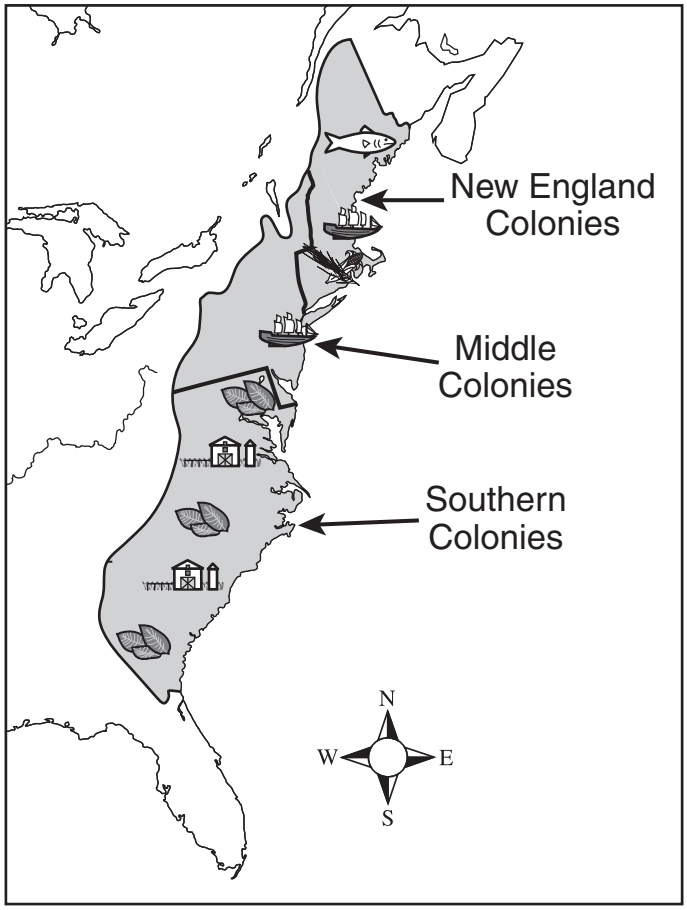
22 **Which was one result of the Lewis and Clark expedition?**

F Citizens learned about western Native Americans.

G Traders received maps of the Mississippi River.

H Canada became friendly with the United States.

Colonial Economic Activities, 1763



Key	
	Fishing
	Corn and wheat farming
	Shipbuilding
	Tobacco
	Plantations

23 **According to the map above, the New England colonies had economies based mostly on**

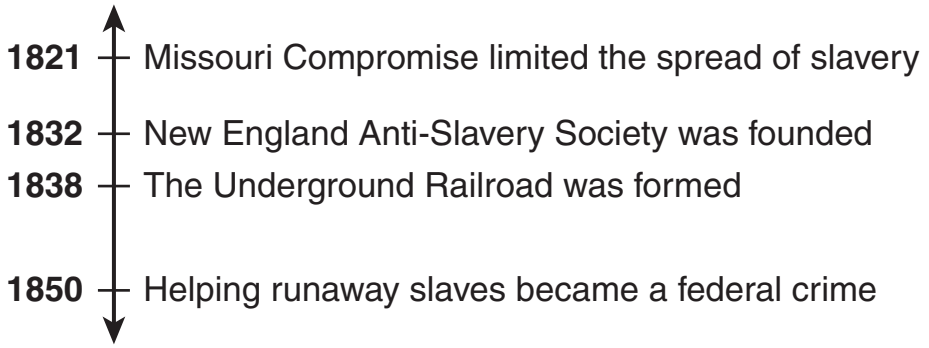
A fishing and shipbuilding.

B corn and wheat farming.

C plantations and tobacco.

Go On ▶

Slavery Issues, 1821 – 1850



24 **Which event on the timeline above led most directly to the law in 1850 that made it a crime to help runaway slaves?**

F 1821 — Missouri Compromise limited the spread of slavery

G 1832 — New England Anti-Slavery Society was founded

H 1838 — The Underground Railroad was formed

25 **In which area would a city need to be most careful about not wasting water?**

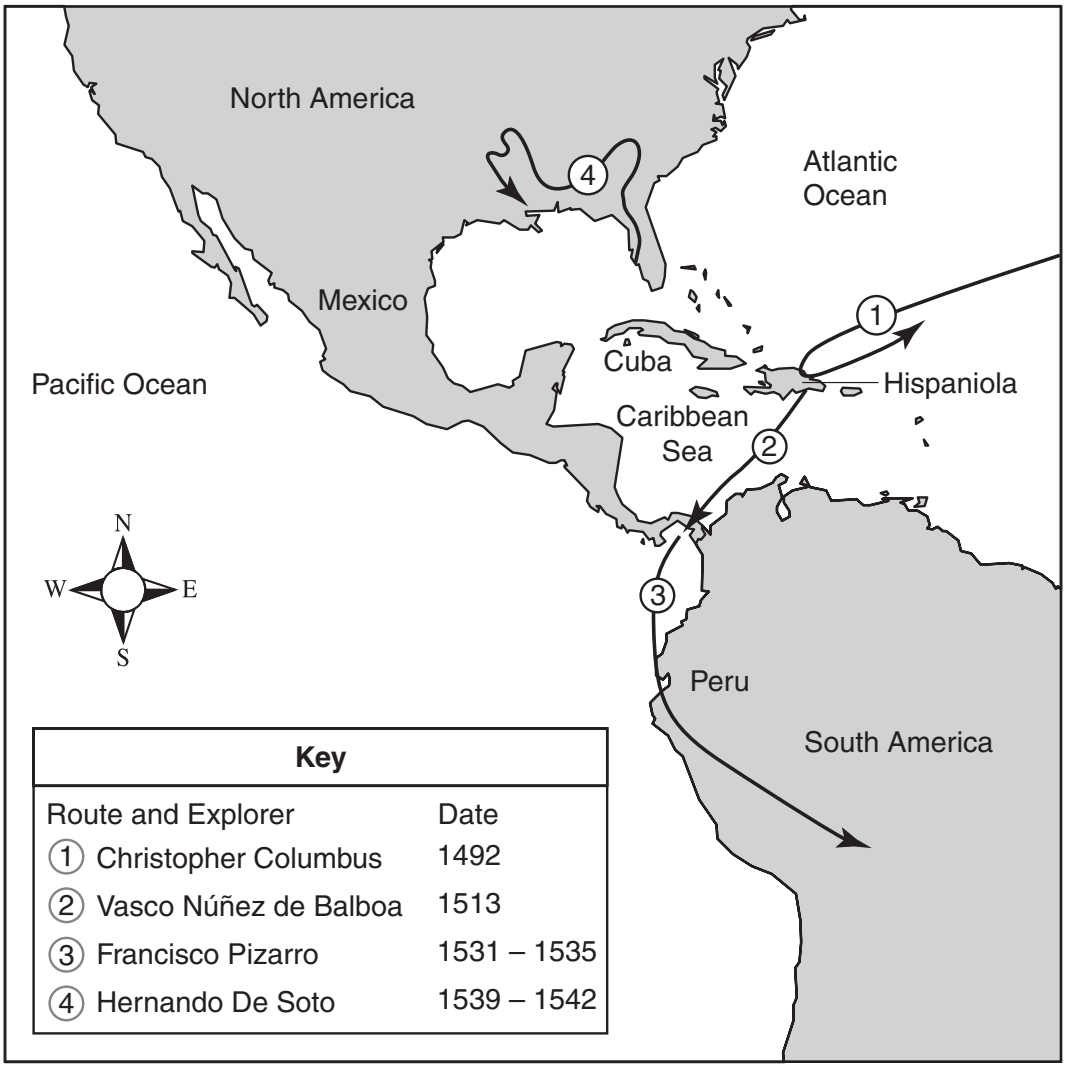
A a river

B a desert

C a mountain

Directions Use the map below to do Numbers 26 and 27.

Some Explorations to the Americas



26 **Based on this map, which area did Pizarro explore?**

F Hispaniola

G Mexico

H Peru

Go On ▶

27 **Which of these statements about Columbus's 1492 journey is true?**

A He reached the Pacific Ocean.

B He explored the west coast of South America.

C He landed on the island of Hispaniola.

28 **Which of these was created by the United States Constitution?**

F local schools

G a national bank

H the federal court system

29 **Which right does the First Amendment grant to citizens of the United States?**

A to make a public speech

B to have a trial by jury

C protection against cruel punishment

30 **Which colonial group is known for treating everyone equally?**

F the Dutch

G the Puritans

H the Quakers

31 **What person is called the "Father of Tennessee"?**

A John Sevier

B Sam Houston

C David Crockett

STOP

Part 2

32 **Why did hunters from Virginia cross the mountains into Tennessee in the 1750s?**

F to trap furs

G to herd cattle

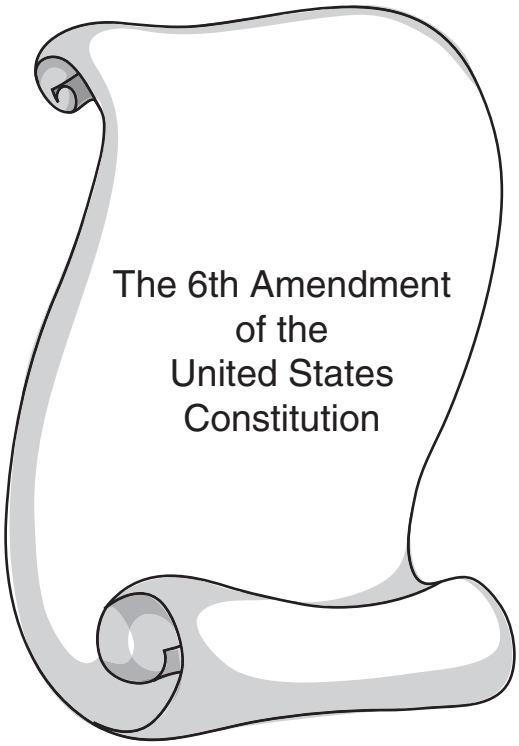
H to mine coal

33 **Which of these famous Tennessee citizens became a president of the United States?**

A Sam Houston

B James Polk

C David Crockett



34 **Which right is granted by the amendment above?**

F to vote for leaders

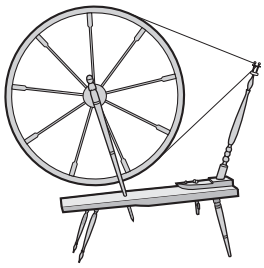
G to have a speedy trial

H to have freedom of the press

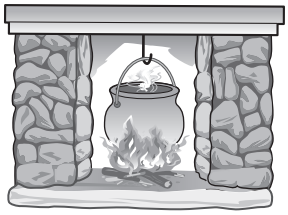
Go On ▶

Directions **Use the pictures below to do Numbers 35 and 36.**

Some Objects Used Long Ago



Spinning Wheel



Cooking Pot

Butter Churn

35 **All of these items helped**

A people travel.

B children in schools.

C people meet their basic needs.

36 **After the Revolutionary War, people bought their clothes made in a textile mill. Which of these objects helped people get clothes before the Revolutionary War?**

F Spinning Wheel

G Cooking Pot

H Butter Churn

37 **The Mayflower Compact is known as the first United States government because it**

A set the example for self-rule.

B started a barter economy.

C formed a plan to pay taxes.

38 **What was the main reason many Native Americans died after the Europeans came to America?**

F medicine

G disease

H trade

39 **Which group had many people living in Tennessee when it became a state?**

A Russians

B Portuguese

C Scottish

Go On ▶

40 **Which of these cities was founded on the Hudson River?**

F Boston

G New York

H Chicago

Actions of the _____?_____

- Listen to both sides of the case
- Make a decision based on the laws
- Decide the kind of punishment

41 **Which part of the government completes the title of the list above?**

A Police

B Senators

C Courts

42 **Which event was a result of the Louisiana Purchase?**

F Settlers had less contact with Native Americans.

G Travel west became more difficult.

H The United States gained natural resources.

43 **One of the main disagreements between the North and the South before the Civil War was over the**

A influence of foreign nations.

B spread of slavery.

C amount of farmland.

Go On ▶

Directions **Use the timeline below to do Number 44.**

44 **As a result of all the events on the timeline, the United States**

F increased in size.

G had fewer settlers.

H became a weaker country.

45 **Which of these would most help to create demand for a product?**

A lowering the price of the product

B building new factories for the product

C hiring people to make the product

46 **Which Native American group lived in Central America before European exploration?**

F Chickasaw

G Creek

H Mayan

47 **Colonists won the American Revolution because they had**

A a navy protecting ports from attack.

B militias who worked together.

C newspapers to report on the battles.

Go On ▶

Directions Use the table below to do Numbers 48 and 49.

Value of Some Tennessee Products Sold — 1999

Product	Value (in millions of dollars)
Cattle and calves	330
Cotton and cottonseed	142
Hogs and pigs	35

48 **What was the value of hogs and pigs sold in Tennessee in 1999?**

F $330 million

G $142 million

H $35 million

49 **Which of these products earned the most money in 1999?**

A Cattle and calves

B Cotton and cottonseed

C Hogs and pigs

50 **Native Americans battled European settlers mostly because of a loss of**

F food.

G trade.

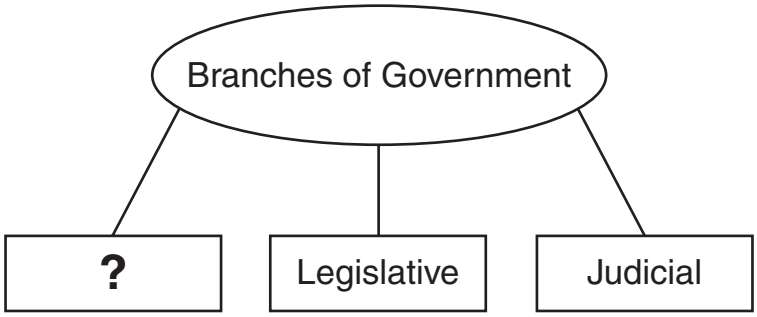
H land.

51 **Which of these is an example of people using a barter system?**

A Rachel gives Lee money for a bicycle.

B Paul gives Beth a puzzle in exchange for a game.

C Connie gets an allowance from her father for doing chores.



52 **Which term <u>best</u> completes the diagram above?**

F Executive

G State

H Federal

Go On ▶

> [For the slave master] it was never too hot or cold; it could never rain, blow, hail, or snow too hard for us to work in the field. . . . The longest days were too short for him, and the shortest nights too long for him.
>
> —Frederick Douglass, on his experience as a slave, from *Narrative of the Life of Frederick Douglass,* 1845

53 **Which of these best explains why slaves were expected to work in all types of conditions?**

A to stay in good health

B to pay for their freedom

C to earn money for their owners

54 **Which of these physical landmarks in the United States was most likely created by erosion?**

F the Great Lakes

G the Mississippi River

H the Grand Canyon

55 **The main reason early Tennessee settlements had trouble trading was communities**

A could not get fresh water.

B were not near each other.

C would not barter goods.

56 **Most of the early British colonists in America lived**

F on the Atlantic Coast.

G on the Gulf Coast.

H near the Great Lakes.

57 **Which phrase describes a job of John Sevier?**

A president of the United States

B ambassador to Great Britain

C governor of the State of Franklin

58 **Which of these places would most likely have concerns about air pollution?**

F a town

G a city

H a village

Go On ▶

- Served as presidents of the United States
- Wanted to expand west
- Were members of the Democratic Party

59 **Which two people are being described in the list above?**

A SAM HOUSTON
DAVID CROCKETT

B ANDREW JACKSON
JAMES POLK

C JOHN SEVIER
WILLIAM BEAN

60 **Which colony was founded by the English with the goal of finding gold and wealth for settlers?**

F Georgia

G Pennsylvania

H Jamestown

61 **Before European explorers arrived, which Native American group lived in the area that became Tennessee?**

A Chickasaw

B Sioux

C Iroquois

STOP

Reading/Language Arts
Answer Key

1	A
2	G
3	A
4	G
5	C
6	H
7	A
8	G
9	C
10	G
11	C
12	H
13	C
14	H
15	B
16	G
17	B

18	F
19	A
20	F
21	B
22	F
23	C
24	H
25	B
26	F
27	A
28	H
29	B
30	G
31	C
32	G
33	A
34	F

35	A
36	H
37	C
38	G
39	A
40	G
41	B
42	G
43	A
44	H
45	C
46	G
47	A
48	G
49	A
50	H
51	C

52	F
53	A
54	H
55	B
56	F
57	B
58	H
59	A
60	F
61	C
62	F
63	B
64	F
65	C
66	G

Mathematics
Answer Key

1	A
2	G
3	A
4	G
5	B
6	H
7	A
8	F
9	B
10	F
11	C
12	F
13	B
14	F
15	C
16	F

17	C
18	F
19	B
20	F
21	A
22	G
23	B
24	F
25	A
26	G
27	B
28	F
29	B
30	F
31	C
32	G

33	B
34	H
35	A
36	H
37	C
38	F
39	B
40	H
41	C
42	F
43	C
44	G
45	A
46	H
47	C
48	G

49	A
50	G
51	C
52	G
53	A
54	G
55	A
56	G
57	B
58	H
59	B
60	H
61	C

Science
Answer Key

1	C
2	H
3	B
4	G
5	C
6	G
7	C
8	G
9	C
10	H
11	C
12	G
13	B
14	F
15	B
16	H

17	C
18	F
19	A
20	F
21	C
22	F
23	C
24	F
25	B
26	F
27	A
28	G
29	B
30	G
31	A
32	G

33	A
34	F
35	C
36	F
37	B
38	H
39	A
40	G
41	A
42	G
43	A
44	F
45	B
46	H
47	C
48	F

49	A
50	H
51	C
52	F
53	B
54	H
55	A
56	G
57	C
58	F
59	C
60	H
61	B

Social Studies
Answer Key

1	A
2	F
3	B
4	F
5	C
6	F
7	C
8	G
9	A
10	G
11	C
12	G
13	B
14	G
15	C
16	F

17	C
18	G
19	B
20	F
21	B
22	F
23	A
24	H
25	B
26	H
27	C
28	H
29	A
30	H
31	A
32	F

33	B
34	G
35	C
36	F
37	A
38	G
39	C
40	G
41	C
42	H
43	B
44	F
45	A
46	H
47	B
48	H

49	A
50	H
51	B
52	F
53	C
54	H
55	B
56	F
57	C
58	G
59	B
60	H
61	A

Tennessee Comprehensive Assessment Program

Modified Academic Achievement Standards ~ Grade 4

Practice Test

TN00001881

518667 1 2 3 4 5 A B C D E Printed in the USA ISD9114