Student Name _____

Teacher Name _____

School _____

System _____

MAAS

Tennessee Comprehensive Assessment Program

Modified Academic Achievement Standards ~ Grade 6

Practice Test

PEARSON

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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:

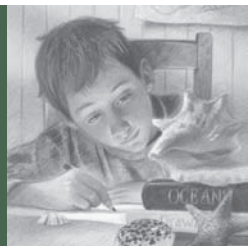
Relax: It is normal to be somewhat anxious before the test. Remember that the score is only one of a number of measures of performance.

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 passage. Then answer Numbers 1 through 8.**

Overloaded

1 Mariah watched as the basketball swooshed through the net at the edge of the driveway.

2 "Great shot!" cheered her brother Jonathan.

3 "Thanks," replied Mariah.

4 "You need to give me lessons," said Jonathan. He grabbed his own basketball and sent it flying through the air like a cannonball. It hit the rim of the basket and bounced into a shrub.

5 "Here's a tip — aim the ball," smiled Mariah as she looked at her watch. "I have to practice my flute. Maybe I can help you later."

6 Jonathan nodded as his next shot bounced off the rim again.

7 "Don't give up," Mariah encouraged him as she hurried inside the house. She wanted to stay and coach him, but she had to practice her flute for the upcoming band concert.

8 When Mariah got to her room, she shuffled through her backpack searching for her music folder. It was missing. Mariah groaned. She knew exactly where it was. She had left the folder in the band room on Friday.

Go On ▶

9 A moment later, Mariah remembered that she had agreed to help work on the sets for the school play that afternoon. She ran to the kitchen and grabbed a plastic water bottle and the can of lemonade powder sitting on the counter. Mariah quickly filled the bottle with the lemonade mix and water. She put the lid on the bottle and shook it as she ran out the door.

10 When Mariah got to school, her friend Elizabeth was painting cardboard trees. Mariah picked up a paintbrush and began to help Elizabeth paint. Maybe if she worked fast, they'd finish the trees today. Mariah brushed back and forth like a windshield wiper. Suddenly, she bumped her paint can, spilling paint across the pavement. It took the girls fifteen minutes to wipe up the mess.

11 "Thanks for your help," Mariah said when they finished. Then Mariah grabbed her water bottle for a drink. She took a sip of her lemonade. She twisted her mouth and squinted her eyes. Mariah was expecting the lemonade to be tangy, but it was sickly sour. Once again, she'd been in such a hurry that she hadn't measured the lemonade powder, and she had added way too much.

12 Mariah suddenly realized that she had added too much to her own life, too. She was trying to play basketball, learn her flute music, and paint the play sets. Instead of enjoying everything, she felt like she was rushing from one task to the next.

13 "Elizabeth, I'm not going to paint anymore," Mariah said suddenly. "It's fun, but I think I'll have to wait until next year to test my artistic talents."

14 "Okay," Elizabeth agreed, waving good-bye to her friend. As Mariah turned to leave, Elizabeth shouted, "Mariah, wait! You left your music folder in the band room on Friday. I picked it up for you."

15 Feeling relieved, Mariah strolled home with her music. She found Jonathan sitting on the porch steps with his basketball. His shoulders drooped.

16 Mariah smiled patiently. "I have twenty minutes to help you with your shot, and then I've got some serious practicing to do."

17 For now, Mariah planned to focus on her basketball and her flute. Then she'd be able to do both things well and still have plenty of time for one little brother too.

1 **Read this sentence from Paragraph 8.**

> When Mariah got to her room, she shuffled through her backpack searching for her music folder.

Which word is a synonym for shuffled?

A looked

B passed

C moved

Go On ▶

2 **Which word best completes the analogy?**

Walked is to strolled as drank is to _____.

F poured

G emptied

H sipped

3 **Which question best checks if a reader understands the passage?**

A What does Mariah learn?

B What instrument does Mariah play?

C Who is friends with Mariah?

4 **Read this sentence from Paragraph 4.**

He grabbed his own basketball and sent it flying through the air like a cannonball.

The author means that Jonathan's basketball shot was

F very hard.

G heavy.

H dangerous.

5 **Choose the event that comes after Mariah gets home.**

A She discovers her music folder is missing.

B She practices shooting baskets.

C She helps her brother with basketball.

6 **The main conflict of this passage is**

F person vs. self.

G person vs. person.

H person vs. technology.

7 **Mariah realizes she needs to change when**

A she disappoints her brother.

B her friends become upset with her.

C she drinks sour lemonade.

8 **Why did the author most likely write this passage?**

F to persuade readers to show interest in hobbies

G to entertain readers with a lesson about managing time

H to compare different activities that students enjoy

Go On ▶

Directions **This is a student report. It contains mistakes. Read the report and answer Numbers 9 through 17.**

1 The central nervous system tells the body what to do. This very busy system is responsible for the thinking humans do. It also controls the movements of the body and the actions that keep a person alive, such as breathing, sleeping, and digesting food.

2 How does the central nervous system work? If a person wants to kick a soccerball, the brain sends a message to the foot to kick the ball. Soccer is a great sport for all kids because it provides a lot of exercise. The message is sent from the brain to the foot through nerves in the body. The spinal cord connects the brain and the nerves, so messages can be sent and received. When a person wants to clap, read, or eat, the brain sends messages using the nervous system.

3 There are many books that people can read to learn more about the central nervous system. Additionally, the Internet offers a lot of information. It is a good place to find the most up-to-date research. People can talk with doctors about this amazing body-messaging system.

4 People don't have to think about everything their bodies do. Some actions, like kicking a soccerball or reading a book, are called voluntary. The person knows he or she wants to kick the ball and thinks about it before it happens. Other actions are involuntary. People do not spend time thinking about breathing. It happens because of the central nervous system.

9 **Choose the <u>best</u> title for the report.**

A What Does the Central Nervous System Do?

B The Human Body: Made of Many Systems

C Thinking Makes It Possible!

10 **Where should Paragraph 3 be placed to create a more logical order to the report?**

F after Paragraph 1

G after Paragraph 2

H after Paragraph 4

11 **Read Paragraph 2.**

> How does the central nervous system work? If a person wants to kick a soccerball, the brain sends a message to the foot to kick the ball. Soccer is a great sport for all kids because it provides a lot of exercise. The message is sent from the brain to the foot through nerves in the body. The spinal cord connects the brain and the nerves, so messages can be sent and received. When a person wants to clap, read, or eat, the brain sends messages using the nervous system.

Which sentence should be removed from Paragraph 2 because it is off-topic?

A If a person wants to kick a soccerball, the brain sends a message to the foot to kick the ball.

B Soccer is a great sport for all kids because it provides a lot of exercise.

C The message is sent from the brain to the foot through nerves in the body.

Go On ▶

12 **Read Paragraph 4.**

People don't have to think about everything their bodies do. Some actions, like kicking a soccerball or reading a book, are called voluntary. The person knows he or she wants to kick the ball and thinks about it before it happens. Other actions are involuntary. People do not spend time thinking about breathing. It happens because of the central nervous system.

Which sentence would help to support the ideas in Paragraph 4?

F Walking is a basic action of the body that many people take for granted.

G Web sites are an excellent source of information about the nervous system, because they have the results of many medical studies.

H Other examples of involuntary actions are when the heart beats or when food is digested after a meal.

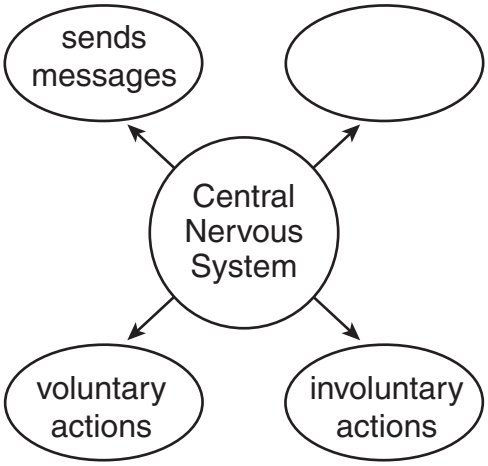
13 **Which sentence would be the best concluding sentence for Paragraph 4?**

A The difference between voluntary and involuntary actions involves thought.

B The brain plays a large role in the duties of the central nervous system.

C The central nervous system keeps us alive by controlling all of the functions of the body.

14 **Look at the web below.**



Which piece of information completes the web?

F controls movement

G Internet information

H needs exercise

15 **Which sentence is the thesis statement for the report?**

A The spinal cord connects the brain and the nerves, so messages can be sent and received.

B The central nervous system tells the body what to do.

C People don't have to think about everything their bodies do.

Go On ▶

16 **This report was most likely written for**

F students learning more about the human body.

G scientists studying the movement of the human body.

H authors researching information about the human body.

17 **The author's purpose for writing this report was probably to**

A describe to readers books about how their bodies work.

B persuade readers to practice more voluntary responses with exercise.

C inform readers about how the central nervous system works.

Directions **Read the poem. Then answer Numbers 18 through 22.**

Decisions, Decisions

Sometimes late at night,
All snug in my bed,
Thoughts of my childhood
March through my head.

I think back to those days,
No real decisions to make.
Just playtime and games,
With afternoon naps to take . . .

I'd play all day and
Sleep when told,
Sometimes wishing
I'd quickly grow old.

Now that I'm older
My own choices I make
Each minute, every second
Please, can I get a break?

What to do? Where to go?
To save or to buy?
Too many decisions
How will I survive?

Childish choices I choose
Childish consequences I get
Won't someone come
And rescue me yet?

If growing older means making
Even more choices still,
I'd rather stay young
Forever, I will!

Go On ▶

18 **Read the lines from the poem.**

Sometimes late at night,
All snug in my bed,

Which is a synonym for snug?

F happy

G cozy

H sleepy

19 **Making decisions has what effect on the speaker?**

A It surprises him.

B It upsets him.

C It relaxes him.

20 **"Decisions, Decisions" is best described as a poem because it**

F tells about the life of a person.

G has a plot with a beginning, middle, and end.

H describes a topic using stanzas.

21 **Which statement is the theme of the poem?**

A Playtime is meant for children.

B Choices get harder with age.

C Decisions take time to make.

22 **Read Lines 5 through 8.**

I think back to those days,
No real decisions to make.
Just playtime and games,
With afternoon naps to take . . .

These lines contain an example of

F alliteration.

G imagery.

H rhyme.

Go On ▶

Directions **Read the passage. Then answer Numbers 23 through 30.**

Just a Little Wrinkle

1 "No, thank you."

2 Madeleine L'Engle heard those words twenty-six times before she found a publisher to finally accept her novel, A Wrinkle in Time. However, the experiences L'Engle faced throughout her childhood had helped to prepare her for such disappointments. She was not one to give up easily.

3 Madeleine L'Engle was born in New York in 1918. Much of her childhood was spent reading. Once she became bored with the books, she started to make up her own stories.

4 Although L'Engle loved reading, school was sometimes difficult for her. She was shy by nature and often felt that she didn't belong with the other students. Since she did not have many friends, she would write stories instead.

5 L'Engle was also extremely quiet around her teachers. She would rather spend her time reading and writing on her own than doing her schoolwork. This shyness made her fifth grade teacher think she wasn't very smart. When L'Engle won a poetry contest at the end of the year, her teacher accused her of cheating. The teacher told L'Engle's mother that L'Engle wasn't bright; therefore, she must have copied the poem. To prove that the poem was not copied, L'Engle's mother showed the teacher all the poems and stories that the young writer had already written. Her teacher was surprised.

6 When L'Engle was twelve, her family moved to Europe. She went away to school, where she lived with twelve other girls. She was the only American and wasn't used to being around so many people all of the time. Her parents moved her to another school one year later. Once again, she had a difficult time making friends. Feeling unpopular and alone in a strange place, L'Engle turned to her writing.

7 A short time later, L'Engle's parents moved her to another school — the Ashley Hall Boarding School in Charleston, South Carolina. L'Engle started to try new things at Ashley Hall. She acted in plays and edited for the literary magazine. By her senior year of high school, L'Engle had friends and no longer felt like the strange, unpopular girl.

8 Throughout her childhood, Madeleine L'Engle faced many hard times. Rather than feeling like she had failed, she found strength in her talent as a writer. Even though her teacher doubted her and her peers thought she was different, L'Engle believed in herself and in her writing.

9 After L'Engle wrote A Wrinkle in Time, different publishers told her they did not think anyone would read her book. She kept trying until she found a publisher that believed in her. The book was published and later won the Newbery Prize. It has been reprinted more than sixty times and is now a classic. One can imagine L'Engle responding to all those rejections, "This is just a little wrinkle."

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Madeleine L'Engle 1918 – 2008

23 **Read this sentence from Paragraph 9.**

It has been reprinted more than sixty times and is now a classic.

In this sentence, classic means

A modern book.

B great book.

C new book.

Go On ▶

24 **Choose the detail that best shows that L'Engle was probably the author of more than one book.**

F L'Engle was shy.

G L'Engle liked poetry.

H L'Engle liked to write.

25 **What did L'Engle do at the end of fifth grade?**

A She won a poetry contest.

B She moved out of the country.

C She wrote a new story.

26 **Read Paragraph 6.**

> When L'Engle was twelve, her family moved to Europe. She went away to school, where she lived with twelve other girls. She was the only American and wasn't used to being around so many people all of the time. Her parents moved her to another school one year later. Once again, she had a difficult time making friends. Feeling unpopular and alone in a strange place, L'Engle turned to her writing.

Choose the best summary of this paragraph.

F L'Engle lived with many other girls while at school in Europe.

G L'Engle was the only American while at school in Europe.

H L'Engle had trouble meeting new people while at school in Europe.

27 **Read Paragraph 7.**

> A short time later, L'Engle's parents moved her to another school — the Ashley Hall Boarding School in Charleston, South Carolina. L'Engle started to try new things at Ashley Hall. She acted in plays and edited for the literary magazine. By her senior year of high school, L'Engle had friends and no longer felt like the strange, unpopular girl.

What is the main idea of this paragraph?

A L'Engle felt lonely in South Carolina.

B L'Engle began to change in South Carolina.

C L'Engle had new concerns in South Carolina.

28 **Why does the author go backwards in time in the passage?**

F to explain why L'Engle became popular in high school

G to show events that helped shape L'Engle as a writer

H to describe what L'Engle learned in her classes

Go On ▶

29 **Choose the question that this passage does not answer.**

A Which author inspired L'Engle to become a writer?

B When did L'Engle begin writing?

C How old was L'Engle when she moved to Europe?

30 **This passage shows that people's personalities affect**

F how others view them.

G how their families treat them.

H how well they write.

Directions **Read and answer Numbers 31 through 37.**

31 **Look at the picture.**

The girl in this picture appears to be

A shy.

B surprised.

C upset.

32 **Susan is preparing a report about the Mars Explorer with a group of 3 other students. Her uncle works for the space program at NASA. What would be the <u>best</u> way for Susan to help make the report a success?**

F ask her uncle to speak to the group about the operation of the NASA space program

G explain to the group what her uncle does at the NASA space program

H tell the group about the time her uncle offered her a tour of the NASA space program

Go On ▶

33 **Look at the picture.**

Choose the statement that best summarizes the message of this picture.

A Students at graduation can expect to be successful in life.

B Graduation day is a proud event for a student and his family and friends.

C A student smiles for a picture on graduation day.

34 **A student is writing a research paper about the history of flying. Which research source is the most appropriate for the student's paper?**

F an encyclopedia entry about the first experiments with flight

G a magazine article about new equipment used in flight

H an almanac entry about the weather conditions during a historic flight

35 **Read this sentence.**

Our art class took a field trip to three art gallerees.

What is the correct way to write gallerees?

A galleries

B gallares

C gallerys

Go On ▶

36 **Which sentence contains an error?**

F The locker doesn't have a number.

G That's going to be a real challenge.

H You're dog is barking at a squirrel.

37 **Read this sentence.**

When Jayda recieved praise after her piano recital, she knew that her years of dedication to music were finally paying off.

Choose the underlined word in the sentence that is spelled incorrectly.

A recieved

B recital

C dedication

STOP

DO NOT

MARK

ON THIS

PAGE

Part 2

Directions **Read the drama. Then answer Numbers 38 through 44.**

Togetherness

CHARACTERS:
MOM
DAD
BENNY, age 11
CHLOE, age 6

(***Setting: Dinnertime, Tuesday, at the Williams' house***)

MOM: Listen, everybody. Let's think about our plans for Saturday. If we don't plan, we won't be able to do anything fun together.

DAD: I know! There's a football game this Saturday. We can all watch it.

MOM: I don't like football. I'm more of a basketball fan.

DAD: Maybe you'd watch some of the game with us?

BENNY: Whatever you choose, I can't join you.

MOM: Why not, Benny?

BENNY: Well, I've got a school project to do this weekend.

CHLOE: Can't you do it next week?

BENNY: I've waited too long already. That's why I have to work this weekend.

MOM: What's the project?

BENNY: It's a project about muscles for science class, but I don't have a plan yet.

DAD: I guess that rules out a family weekend.

CHLOE: Why can't we do the project together?

BENNY: What do you know about muscles, Chloe?

CHLOE: Nothing.

MOM: Wait a minute. Chloe has a good idea.

CHLOE: Really?

DAD: (*To MOM.*) Does "good idea" mean helping Benny finish his project? That could be great family time.

MOM: Do you remember going to the science museum last year? They had an exhibit about the human body. We learned that there are more than 600 muscles in the body.

DAD: Yes, I do remember, and we had so much fun together there.

CHLOE: I remember. We learned a lot that day.

MOM: Maybe Benny can use our muscles for his project.

BENNY: What do you mean?

MOM: You like making movies, right?

BENNY: Absolutely. Remember last month? I made a movie of your anniversary party.

MOM: Well, you can film this project with the family.

BENNY: What do you have in mind, Mom?

MOM: It's a movie. We'll be your actors. (*To CHLOE.*) Chloe, you like to ride your bike, right?

CHLOE: It's **my** favorite.

MOM: You can ride your bike while your brother films you. Talk about the muscles in your legs and how they feel when you ride a bike.

BENNY: That's a good idea! The thigh muscles are called **quadriceps**.

CHLOE: I'll try to remember that.

Go On ▶

DAD: What about me?

MOM: You could go outside and throw a football.

DAD: That would be fun!

BENNY: Great! I'll film you throwing while you talk about how the muscles in your arm and shoulder work together to help you make a perfect pass. Right?

DAD: What are those muscles called?

BENNY: The shoulder muscles are called **deltoids**. The main ones in your arm are **biceps** and **triceps**.

MOM: It all sounds terrific.

BENNY: What will you do, Mom?

MOM: You can film me while I weed the garden. I'll talk about using my arm and leg muscles. I'll mention that kneeling, bending, and standing build muscle strength and balance.

BENNY: So, it's decided. This is going to be a cool project. Thank you all for your help.

MOM: See how things are better when we work together?

CURTAIN

38 **Read this sentence from the drama.**

BENNY: The main ones in your arm are **biceps** and **triceps**.

Which words best express the meaning of the underlined prefixes?

F two and three

G up and down

H front and back

39 **Based on the drama, what will Benny do on Saturday?**

A weed a garden

B make a movie

C watch a football game

40 **Choose the statement that best identifies the main conflict in the drama.**

F Benny is unable to participate in a family activity because of a school project.

G Chloe must learn more about muscles before she can be a part of the family activity.

H Mom wants everyone to make a movie for a family activity.

41 **Choose the line that best shows the turning point of the drama.**

A Whatever you choose, I can't join you.

B Wait a minute. Chloe has a good idea.

C I remember. We learned a lot that day.

42 **This passage is called a drama because it**

F gives information about a historic event.

G is told from a first person point of view.

H has stage directions and dialogue.

Go On ▶

43 **What is the main idea of this drama?**

A Benny's family takes a trip to a science museum.

B Benny's family helps him with a school assignment.

C Benny's family talks about past experiences.

44 **The author wrote this drama mostly to**

F entertain readers with a family story.

G persuade readers to make family movies.

H explain to readers how a family should communicate.

Directions **Read the passage. Then answer Numbers 45 through 49.**

Matchstick Wonders

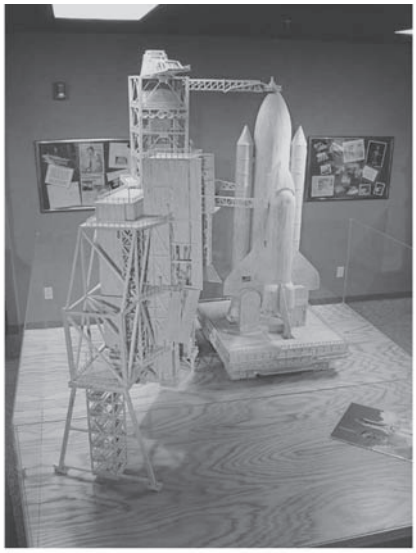
by Barbara Kramer

1 Pat Acton has always enjoyed building things. As a kid, he built a fully enclosed tree house with glass windows and a stove for heat. His older brothers soon left their more traditional tree houses to hang out in Pat's.

2 Back then, Acton used his father's tools . . . After he graduated from college, he had time for woodworking but little money to buy tools. That was when he remembered a news story that he had seen on television . . . It was about a man who used matchsticks to build a model of his farm.

Matchsticks, Glue, and Patience

3 Acton bought two boxes of wooden matchsticks and some glue. Then he began work on his first project — a small country church with a high steeple. Other models followed, including a stagecoach, a steamboat, and a 1930s-style locomotive. Each was carefully constructed with matchsticks that were only two inches long. The work was slow, and it took a lot of patience. "You just have to take your time doing this," Acton says. "You can't hurry." . . .



Acton dedicated his model of the *Challenger* space shuttle to the astronauts who lost their lives in its final mission.

Details Plus Imagination

4 Many of Acton's pieces are of historical subjects, such as his model of the *Challenger* space shuttle. He uses the library and the Internet to find photos and other information to help him make sure the details are correct.

Go On ▶

5 Other projects come from his imagination. His model of a crooked house started with the nursery rhyme about the "crooked man" who lived "in a little crooked house." But Acton wanted to create more than just a crooked house. He wanted something bigger and more interesting, like the haunted houses in . . . books he'd read as a child. He combined the two ideas and let his imagination go to work. "That was fun, because I could do whatever I wanted," he recalls. The result was a crooked mansion complete with a leaning tower.

It took almost 300,000 matchsticks and 1,000 hours of work to complete this model of a crooked house.

6 . . . Acton has learned his art through trial and error. "I'm always learning new things," he says. He was able to make his model of Pinocchio only after he learned to bend matchsticks. He uses needle-nosed pliers to pinch the matchstick, making small breaks in some of the wood fibers. Then he gently bends the matchstick into the curve he wants and glues it into place. When the glue is dry, he uses sandpaper to smooth the broken fibers.

7 Currently, Acton is working on a model of Hogwarts Castle, from the Harry Potter books. He says that he will never run out of ideas. He continues to explore this unique art form, turning matchsticks and imagination, glue and patience into wonderful creations.

"Matchstick Wonders" text by Barbara Kramer, photos by Pat Acton, from *Highlights for Children*, Aug. 2006, copyright © 2006 by Highlights for Children, Inc., Columbus, Ohio. Used by permission.

45 **If a student wants to find the names of other matchstick model makers, where should he look?**

A an atlas

B a textbook

C the Internet

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

F As a kid, he built a fully enclosed tree house with glass windows and a stove for heat.

G His model of a crooked house started with the nursery rhyme about the "crooked man" who lived "in a little crooked house."

H "That was fun, because I could do whatever I wanted," he recalls.

47 **What can the reader tell about Acton by reading the caption of the space shuttle photograph?**

A He is motivated.

B He is thoughtful.

C He is talented.

Go On ▶

48 **Read the list of steps Acton used for bending matchsticks.**

1. Glue them into place.
2. Bend the matchsticks.
3. Pinch the matchsticks with pliers.
4. Make small breaks in the wood fibers.

Which is the correct order for the steps, as described in the passage?

F 1, 2, 4, 3

G 3, 4, 2, 1

H 4, 3, 1, 2

49 **Which message is communicated by the crooked house illustration and its caption?**

A You must be an adult to make matchstick models.

B You must have time and energy to participate in this hobby.

C You must have a great deal of money to participate in this hobby.

Directions **Read and answer Numbers 50 through 53.**

50 **Read the dictionary entry for shoot.**

shoot (verb)
1. to direct suddenly
2. to stick out or project
3. to photograph

Now read this sentence.

I was excited when I saw my mother shoot me a smile during the concert.

Which meaning of shoot is used in this sentence?

F to direct suddenly

G to stick out or project

H to photograph

51 **Brett knows that John Hancock signed the Declaration of Independence, but he would like to learn more about him. Choose the primary source that would give Brett the most accurate information.**

A a published diary written by John Hancock

B a series of letters between people who worked with John Hancock

C a biographical article about John Hancock found on the Internet

Go On ▶

52 **Which group member is responsible for writing notes while a group is brainstorming ways to complete an assignment?**

F the leader

G the information gatherer

H the recorder

53 **A pest control company painted a large fly on each side of its van. Then the company painted the words, "We can help you get rid of them!" underneath each fly. Why did the company most likely paint its van like this?**

A to entertain people with an unusual picture of an insect

B to inform people about the work the company does

C to persuade people to learn about pests in their homes

Directions **Read the speech. Then answer Numbers 54 through 60.**

Four Can Be Better Than Five

Members of the Green Valley School Board,

1 My name is Rick Smithfield. I am a sixth grader at Green Valley Middle School. I moved to this area last summer. I have made many changes this past school year. I have learned how everyone works together to provide the best education possible for students at this school. This school is more traditional than my old school. Today, I would like to share an idea with you. I hope you might consider my idea as part of your future plans for educating students like me in this community.

2 My idea is to move away from a five-day school week and try a four-day school week. We used this idea in my last school. My parents and I have seen the benefits this schedule provides. Also, the school can continue to work towards excellence in our grades and overall performance.

3 By law, students are required to attend school 35 hours per week. Our current schedule divides this time into 7 hours on each of five school days. However, if we extended our school day from 7:15 A.M. to 4:00 P.M., this would also give us the required 35 hours a week of school. I think most people would agree that this schedule is not too different from our school hours now.

4 There are many advantages to having a four-day school week. Teachers would have an extra day to grade papers or create lesson plans. They could also attend training classes and meetings, or even make doctor appointments on this day. This would reduce the need for teachers to miss class time. Plus, more time in class would allow teachers to extend their lessons or to work with students who need extra help.

5 Students would benefit from this schedule too. A longer school day would give students time to finish lessons, such as science experiments. Also, an extra day off would allow students more time to work on projects or study for tests. Like teachers, students could also use this extra day to attend doctor appointments. The extra day might also allow families to spend more time together.

Go On ▶

6 Finally, a four-day school week could benefit the school financially too. The school could save money on utilities, such as lighting and heating on the days the school is closed.

7 Changing to a four-day week may seem like an extreme idea at first. However, other school districts have done well with this schedule. I am sure that once the community and parents know some of the positive reasons for making this change, they will eagerly support a four-day school week. Please take the time to consider this idea. It would truly benefit both the school and our community.

54 **Which words from the speech are antonyms?**

F past, future

G extreme, positive

H current, required

55 **Which sentence from the speech is a fact?**

A By law, students are required to attend school 35 hours per week.

B There are many advantages to having a four-day school week.

C Changing to a four-day week may seem like an extreme idea at first.

56 **Rick believes that altering the school day will be good for students and their families because**

F the school day will be longer.

G the kids in school will have more time to be with family.

H the kids will be able to do more family chores.

57 **Read Paragraph 7.**

> Changing to a four-day week may seem like an extreme idea at first. However, other school districts have done well with this schedule. I am sure that once the community and parents know some of the positive reasons for making this change, they will eagerly support a four-day school week. Please take the time to consider this idea. It would truly benefit both the school and our community.

The purpose of the <u>last</u> paragraph in this speech is to

A suggest ideas.

B make an argument.

C provide a summary.

58 **The <u>main</u> purpose of Rick's speech is to**

F explain how a four-day school week would work.

G persuade school officials to consider a four-day school week.

H describe how to make classes longer to have time for extra activities.

Go On ▶

59 **What would best help illustrate Rick's argument?**

A a video of a class in session from his former school

B a Web site of a school district that has switched to a four-day week

C a computer presentation reporting student performance at a four-day school

60 **When giving this speech to the school board, Rick should**

F speak clearly.

G read from notes.

H use hand movements.

Directions **This is a rough draft of a student's letter. It contains mistakes. Read the letter and answer Numbers 61 through 68.**

123 1st Street
Anytown, TN
April 9, 2008

Dear Mr. Berners-Lee:

(1) I am writing to you because I believe that you may be one of the most important inventors of all time. (2) I recently learned that you are the person who creates the World Wide Web. (3) Millions of people use your invention every day for their work. (4) Using the Web is so common and helpful, people today would not know what to do without it.

(5) The Web has even helped me in school. (6) I was able to look up information about China for a project. (7) I found pictures of the Great Wall and some detailed maps that will be useful _____ I'm giving a report in my social studies class. (8) A student who lives in China and I has learned a way to write to each other using e-mail.

(9) After I read about you, I wondered where did he get the idea of a way for all computer users to be able to communicate with each other? (10) Did you realize how important your invention would become to him? (11) What were your hobbies when you were youngest? (12) Are these hobbies why you became an inventor?

(13) Thank you so much for taking the time out of your busy schedule to read my letter. (14) I from you hope to hear soon! (15) My e-mail address is motadesse@anyschools.edu.

Sincerely,

Monica Tadesse

Go On ▶

61 **Read Sentence 2.**

I recently learned that you are the person who creates the World Wide Web.

Choose the correct way to write the underlined word.

A creating

B have created

C created

62 **Read Sentences 5 and 6.**

The Web has even helped me in school. I was able to look up information about China for a project.

Choose the correct way to write the underlined words to combine these sentences.

F in school, which I was

G in school; I was

H in school: I was

63 **Read Sentence 7.**

I found pictures of the Great Wall and some detailed maps that will be useful _____ I'm giving a report in my social studies class.

Choose the correct word to fill in the blank.

A since

B whether

C though

64 **Read Sentence 8.**

A student who lives in China and I has learned a way to write to each other using e-mail.

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

F have learned

G will has learned

H having learned

65 **Read Sentence 9.**

After I read about you, I wondered where did he get the idea of a way for all computer users to be able to communicate with each other?

Choose the correct way to punctuate the sentence.

A After I read about you, I wondered, "Where did he get the idea of a way for all computer users to be able to communicate with each other?"

B After I read about you, "I wondered where did he get the idea of a way for all computer users to be able to communicate with each other"?

C After I read about you, I wondered, where did he get "the idea of a way for all computer users to be able to communicate with each other?"

Go On ▶

66 **Read Sentence 10.**

Did you realize how important your invention would become to him?

Choose the best replacement for the underlined word.

F her

G you

H us

67 **Read Sentence 11.**

What were your hobbies when you were youngest?

Choose the correct way to write the underlined word.

A more young

B younger

C most youngest

68 **Read Sentence 14.**

I from you hope to hear soon!

Choose the sentence that uses the underlined phrase correctly.

F From you I hope to hear soon!

G Soon I hope from you to hear!

H I hope to hear from you soon!

Directions **Read and answer Numbers 69 through 73.**

69 **Choose the sentence that is written correctly.**

A The cake looked delicious and, Melissa did not have a piece.

B The cake looked delicious however; Melissa did not have a piece.

C The cake looked delicious, but Melissa did not have a piece.

70 **Read these two sentences.**

There are several reasons I do not want to go to the movie theater with James. _____, I am saving my money for new skates and a helmet.

Which word or phrase <u>best</u> joins the two sentences?

F For example

G As a result

H However

Go On ▶

71 **Read the paragraph.**

The Mississippi River is the second-largest river in the United States. Only the Missouri River is larger. The Mississippi River flows from Minnesota to the Gulf of Mexico. The river supports many species of freshwater fish, birds, deer, raccoons, and other mammals. It also supports a variety of trees. The flow of the Mississippi is much slower than the Amazon River.

Choose the sentence that does not belong in this paragraph.

A The Mississippi River flows from Minnesota to the Gulf of Mexico.

B The river supports many species of freshwater fish, birds, deer, raccoons, and other mammals.

C The flow of the Mississippi is much slower than the Amazon River.

72 **Marco is writing a report about Abraham Lincoln. He wants to use primary sources and secondary sources for his research. Which of these is a secondary source?**

F a speech by Abraham Lincoln

G a letter from Abraham Lincoln to his wife

H a biography about Abraham Lincoln

73 **Look at the picture shown below.**

© William Giakas/iStockphoto #2782213

Which viewpoint does this picture best support?

A Discussion is important for good teamwork.

B Taking turns is necessary for success.

C Playing sports is a good way to stay healthy.

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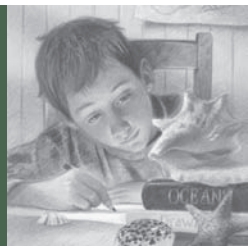
Mathematics



Part 1

1 The temperature at 3:00 P.M. was 65° Fahrenheit. By 9:00 P.M. the temperature had decreased by 27 degrees. Which integer best shows the temperature change, in degrees Fahrenheit, from 3:00 P.M. to 9:00 P.M.?

A 38

B –27

C 27

Go On ▶

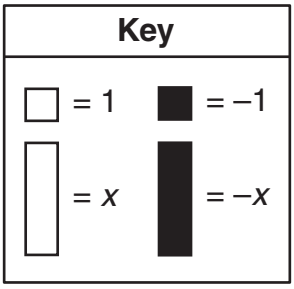
2 Three brothers have a total of $12.75 to share equally. What is the total amount of money that each brother should receive?

F $4.25

G $9.75

H $15.75

3 Look at the key below.



Which expression is represented by this model?

A $-4x + (-2)$

B $-4x + 2$

C $-2x - 4$

4 Which equation represents the distributive property?

F $6 \times (4 + 8) = (6 \times 4) + (6 \times 8)$

G $6 + (4 + 8) = (6 + 4) + 8$

H $6 \times (4 + 8) = (4 + 8) \times 6$

5 The floor area of Ms. Hernandez's classroom is 1,000 square feet. A reading center takes up 200 square feet of this floor area. What percent of the classroom floor area is taken up by the reading center?

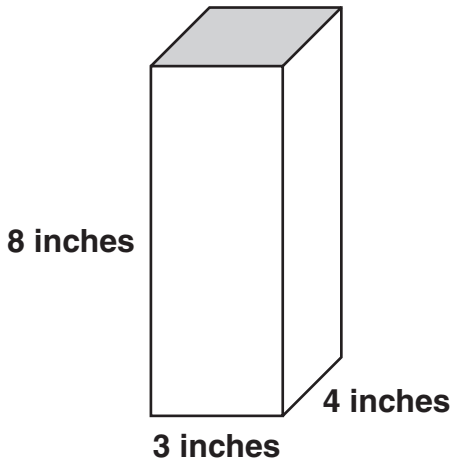
A 2%

B 20%

C 200%

Go On ▶

6 A rectangular prism is shown below.



$$\text{Surface Area} = 2(lw + wh + lh)$$

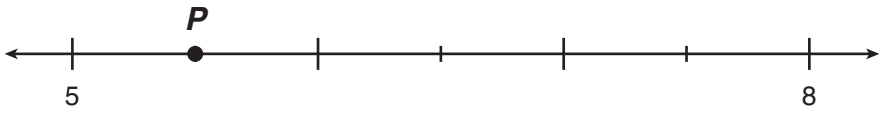
What is the surface area of the prism?

F 136 square inches

G 112 square inches

H 68 square inches

7 Which number is <u>best</u> represented by Point *P* on the number line below?



A 5.12

B 5.5

C 6

8 This morning, each of 100 students voted for a favorite school mascot. The table below shows the results of this voting.

Mascot Votes

Animal	Number of Votes
Bulldog	25
Cougar	50
Eagle	10
Ram	15

Based on the results in the table, how many more votes will be expected for a bulldog mascot if 200 more students vote in the afternoon?

F 25

G 50

H 125

9 Bryan randomly surveyed 50 people at a mall in a town. All the people he surveyed were male. He wanted to determine if they want to build a new football stadium at the local high school. Which sentence best explains why Bryan's survey may be biased?

A Bryan did not visit malls in more than one town.

B Bryan did not limit the survey to people who like football.

C Bryan did not survey both males and females.

Go On ▶

10 The table below shows the amounts of money Julia earned and spent on Monday and Tuesday.

Money Julia Earned and Spent

Day	Amount of Money
Monday	Earned $68
Tuesday	Spent $36

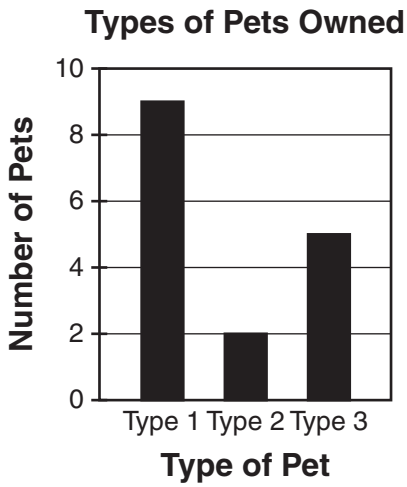
Which integer best represents the amount of money Julia spent on Tuesday?

F -68

G $+36$

H -36

11 The graph below shows the number of different types of pets owned by students in a class.



Bianca says that about twice as many dogs as cats are owned by students in this class. What feature of this graph may be misleading?

A The vertical scale shows only even numbers.

B The bars are not arranged from longest to shortest.

C The horizontal axis does not identify the types of pets owned.

Go On ▶

12 Ahmad has a goal to study for a total of 10 hours this week.

- On Monday, he studied for $1\frac{1}{2}$ hours.
- On Tuesday, he studied for $2\frac{1}{4}$ hours.

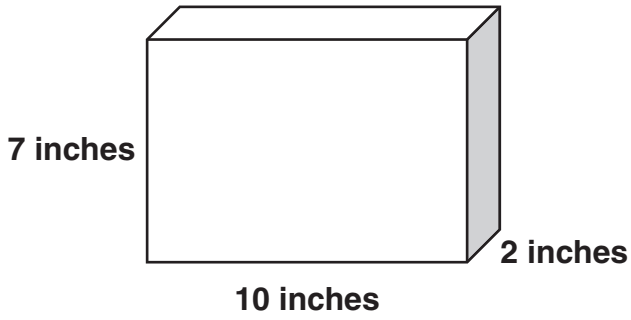
How many hours will Ahmad have to study during the rest of this week to reach his goal?

F $3\frac{3}{4}$

G $6\frac{1}{4}$

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

13 The dimensions of a block of wood shaped like a rectangular prism are shown below.



Volume = length × width × height

What is the volume of the block of wood?

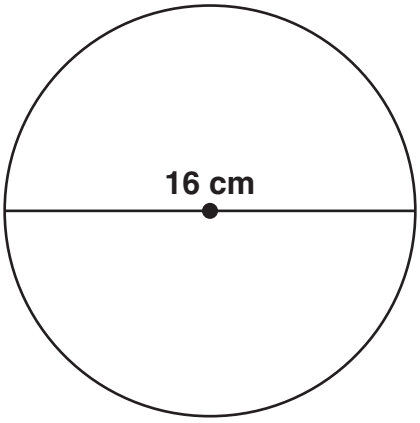
A 490 cubic inches

B 208 cubic inches

C 140 cubic inches

Go On ▶

14 The circle below has a diameter of 16 centimeters (cm).



$$\text{Area} = \pi r^2$$

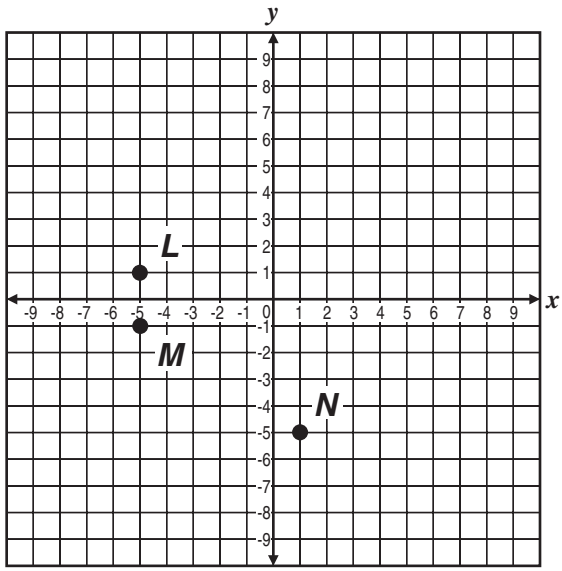
Which is closest to the area of the circle, in terms of π?

F 8π cm^2

G 16π cm^2

H 64π cm^2

15 Which point is located at $(1, -5)$ on the grid below?



A Point *L*

B Point *M*

C Point *N*

16 A store sold 255 DVDs in 5 days. If sales continue at the same rate, which is the <u>best</u> prediction of the number of DVDs the store can expect to sell in 30 days?

F 1,000

G 1,500

H 6,000

Go On ▶

17 **Multiply:**

$$\frac{4}{5} \times \frac{3}{8} =$$

A $\frac{7}{40}$

B $\frac{1}{5}$

C $\frac{3}{10}$

18 Trevor ran 97 miles during 5 days. He ran about the same number of miles each day. Which is the <u>best</u> estimate of the number of miles Trevor ran each day?

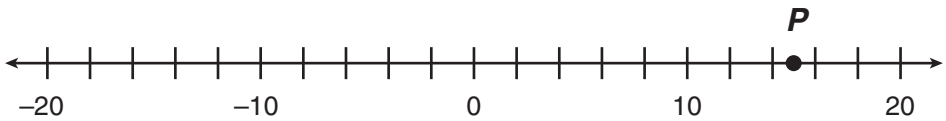
F 20

G 25

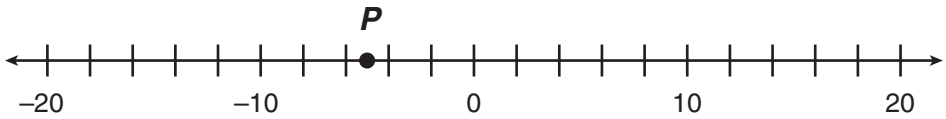
H 500

19 Which number line shows Point *P* located closest to –15?

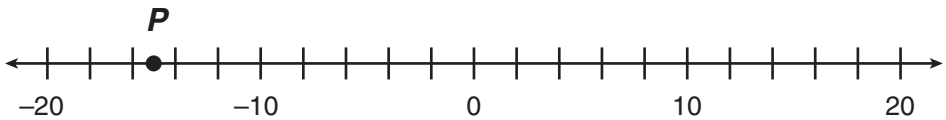
A



B



C



20 On Monday, Mr. Sanders sold pumpkins.

- He sold each pumpkin for $8.
- He earned a total of $496 from selling pumpkins.

Which equation could be used to find *y*, the number of pumpkins Mr. Sanders sold?

F $8y = 496$

G $8 + y = 496$

H $\frac{8}{y} = 496$

Go On ▶

21 Which expression is equivalent to the expression below?

$$4(m + 8) + 5m$$

A $41m$

B $9m + 8$

C $9m + 32$

22 What value of y makes this equation <u>true</u>?

$$3y + 9 = 36$$

F 9

G 15

H 81

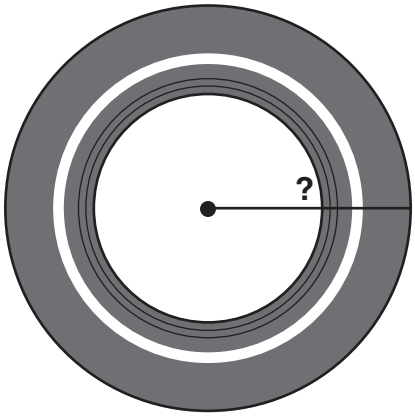
23 Which expression means the same as "9 less than the sum of 10 and a number n"?

A $(n \times 10) - 9$

B $9 - (n + 10)$

C $(n + 10) - 9$

24 The circumference of the tire shown below is 72.22 centimeters (cm).



$C = 2\pi r$
$\pi \approx 3.14$

Which is closest to the radius of the tire?

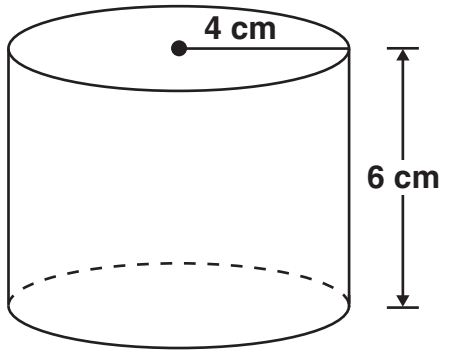
F 23.0 cm

G 11.5 cm

H 4.8 cm

Go On ▶

25 Raul painted each surface of the cylinder shown below.



$$\text{Surface Area} = 2\pi r^2 + 2\pi rh$$

What is the total surface area that Raul painted, in terms of π?

A 80π cm^2

B 48π cm^2

C 32π cm^2

26 Which improper fraction is equivalent to $4\frac{3}{5}$?

F $\frac{12}{5}$

G $\frac{17}{5}$

H $\frac{23}{5}$

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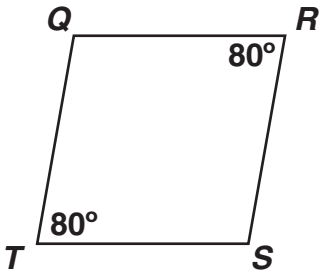
Part 2

27 Look at the figure shown below.



Angle *Q* is congruent to Angle *S*. What is the measure of Angle *S*?

A 10°

B 100°

C 200°

28 **Multiply:**

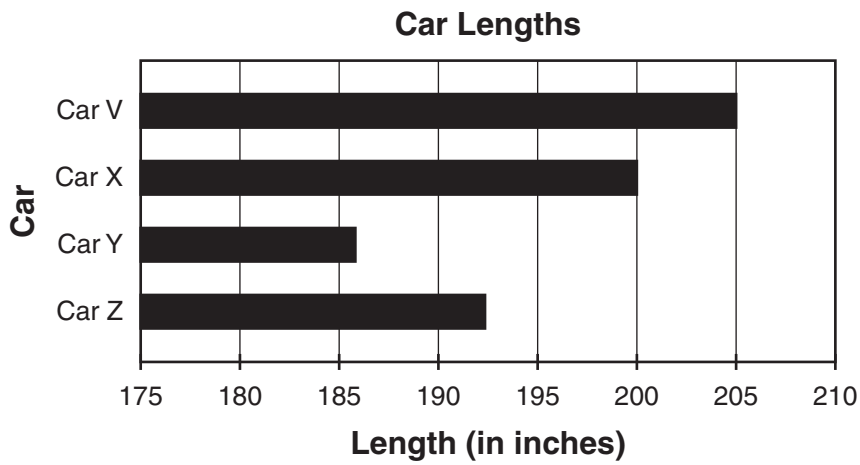
$$1\frac{3}{4} \times 5 =$$

F $8\frac{3}{4}$

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

H $2\frac{6}{7}$

29 The graph below shows the length, in inches, of each of 4 cars.



Which feature of the graph may be misleading?

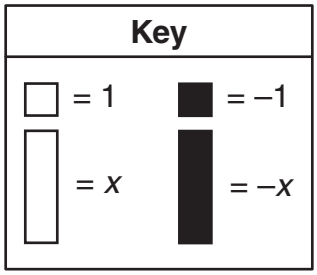
A The scale on the horizontal axis does not start at zero.

B The bars are horizontal instead of vertical.

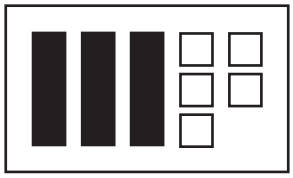
C The values on the horizontal axis increase by 5.

Go On ▶

30 Look at the key below.



Which expression is represented by this model?



F $-3x - 5$

G $-5x + 3$

H $-3x + 5$

31 What value of c makes this equation true?

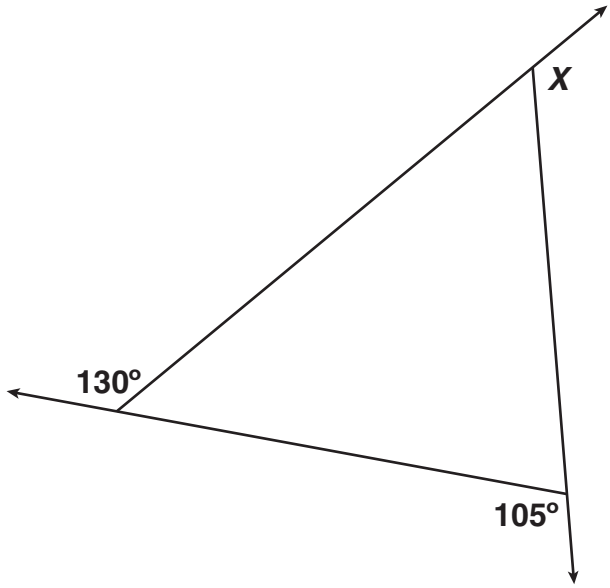
$$34 = 6 + 4c$$

A 5

B 7

C 10

32 The measures of two of the exterior angles of a triangle are shown below.



What is the measure of Angle *X*?

F 55°

G 75°

H 125°

Go On ▶

33 The list below shows the number of minutes Tammy takes to do each of her chores.

- Rake the leaves (20 minutes)
- Clean her room (40 minutes)
- Do the laundry (40 minutes)

Which equation could be used to find *m*, the total number of minutes it will take Tammy to do all the chores on her list?

A $m = (40 + 2) \times 20$

B $m = (40 \times 2) + 20$

C $m = (40 + 2) + 20$

34 Which situation is <u>best</u> represented by the integer -12?

F The length of curtains is increased by 12 inches.

G The temperature of a room rises by 12 degrees.

H The price of a scooter is reduced by 12 dollars.

35 Danielle had $33.58. She spent $19.99 on art supplies. How much money should Danielle have left?

A $13.59

B $24.69

C $53.57

36 Richard has 3 whole pizzas. He will divide these pizzas so that each person receives $\frac{2}{8}$ of a pizza. What is the greatest number of people who can receive $\frac{2}{8}$ of a pizza?

F 6

G 12

H 16

37 Which expression has the same value as the expression below?

$$\boxed{54 - (10 + 18)}$$

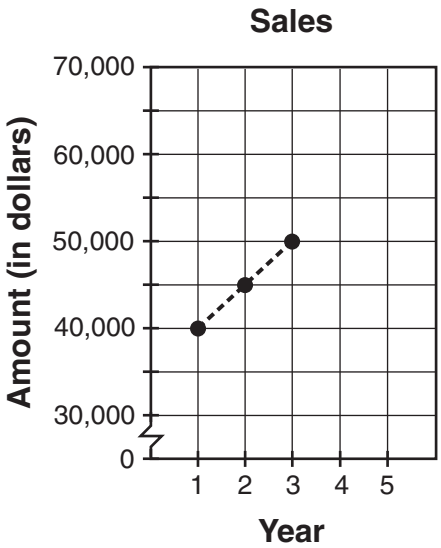
A $54 - 18 + 10$

B $54 - (18 + 10)$

C $(54 + 10) - 18$

Go On ▶

38 The amount of sales, in dollars, for a company in the first 3 years is shown in the graph.



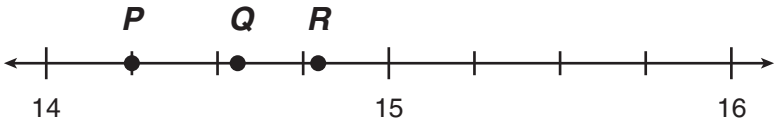
If sales continue to increase as shown, which is the <u>best</u> prediction of the amount the company will have in sales in Year 5?

F $60,000

G $55,000

H $50,000

39 Which point on the number line below is closest to $14\frac{7}{12}$?



A Point *P*

B Point *Q*

C Point *R*

40 A newspaper company wants to find out which delivery method customers prefer.

- The company will call 200 randomly selected people.
- These people will live in the city where the newspaper is delivered.
- These people will be asked which delivery method they prefer.

Which best explains how to make sure the sample is not biased?

F First, ask the people if they are newspaper delivery customers.

G First, ask the people about their favorite newspaper section.

H First, ask the people how often they read the newspaper.

41 On Saturday, Alma worked at a store.

- The total amount of sales for the store was $910.
- Alma made 70% of these sales.

Which amount shows Alma's sales on Saturday?

A $273

B $637

C $840

Go On ▶

42 Which equation is a correct translation of the description below?

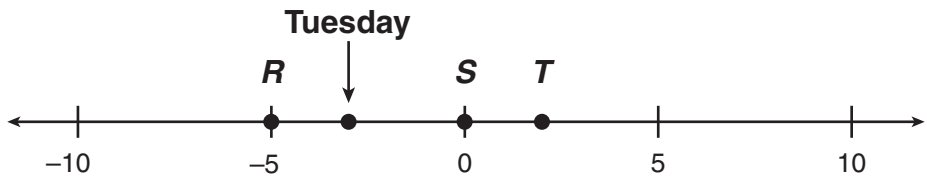
8 more than twice a number y is the same as the product of 4 and 3

F $8 + 2y = 4 \times 3$

G $8 + 2y = 4 + 3$

H $2y - 8 = 4 \times 3$

43 The midday temperature on Tuesday is represented by a point on the number line below.



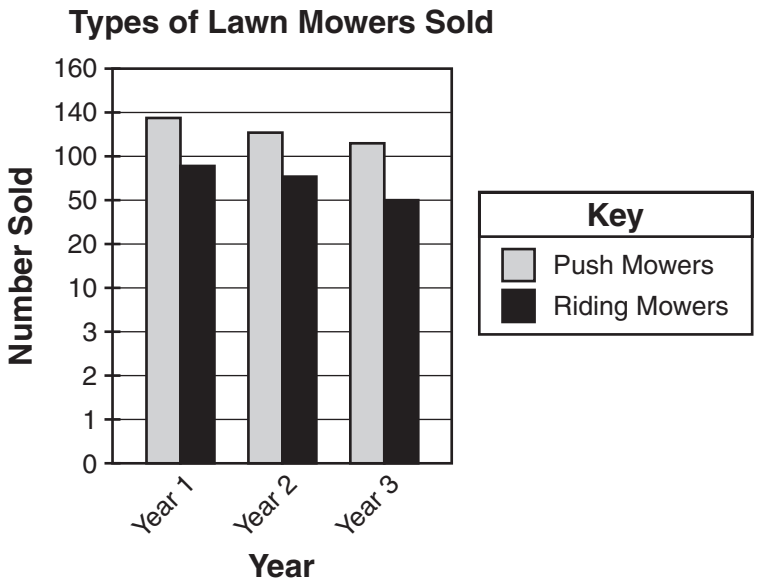
The midday temperature on Wednesday was 2 degrees lower than the midday temperature on Tuesday. Which point <u>best</u> represents the midday temperature on Wednesday?

A Point *R*

B Point *S*

C Point *T*

44 The graph shows the number of different types of lawn mowers sold at a garden center in different years.



Which feature of this graph may be misleading?

F The bars are different heights.

G The scale on the vertical axis is not consistent.

H The information in the key does not match the information in the graph.

Go On ▶

45 A house-painting company has $8\frac{1}{4}$ gallons of paint available to paint a house. The paint will be divided equally among 3 painters.

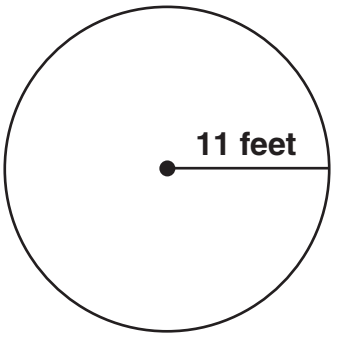
How many gallons of paint will each painter receive?

A $2\frac{3}{4}$ gallons

B $5\frac{1}{4}$ gallons

C $11\frac{1}{4}$ gallons

46 The circle below has a radius of 11 feet.



$$\text{Area} = \pi r^2$$

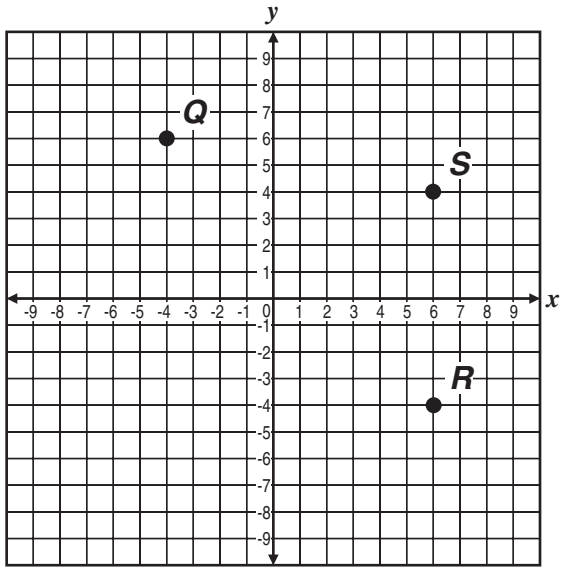
Which is closest to the area of this circle, in terms of π?

F 22π square feet

G 121π square feet

H 484π square feet

47 Which point is located at (6, 4) on the grid below?



A Point *Q*

B Point *R*

C Point *S*

48 Paola is making batches of spaghetti sauce.

- She needs $1\frac{1}{2}$ pounds of meat for each batch of sauce.
- She started with 9 pounds of meat.
- She has already made 4 batches of the sauce.

How many more batches of sauce should Paola be able to make?

F 6

G 5

H 2

Go On ▶

49 Which equation represents the commutative property?

A $(7 + 3) + 8 = 7 + (3 + 8)$

B $5(2 + 3) = (5 \times 2) + (5 \times 3)$

C $(7 + 3) + 5 = 5 + (7 + 3)$

50 Marcie knocked down $\frac{8}{10}$ of her bowling pins on one try. What percent of the pins did Marcie knock down?

F 80%

G 10%

H 8%

51 Ivan had $28.50 saved for gardening supplies. He spent $5.25 each for 2 plants and $6.99 for plant food. How much money should Ivan have left?

A $4.02

B $11.01

C $17.49

STOP

DO NOT

MARK

ON THIS

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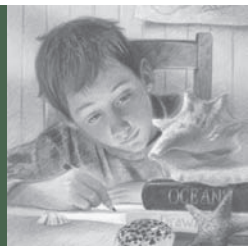
Science



Part 1

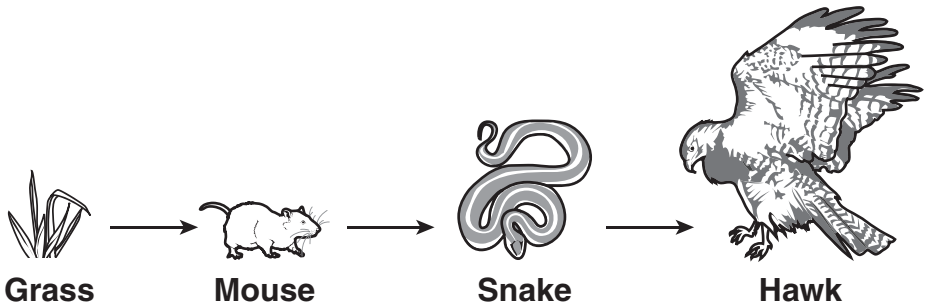
1 **The length of time it takes Earth to complete one rotation on its axis is called a**

A month.

B year.

C day.

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



Which is a producer in this food chain?

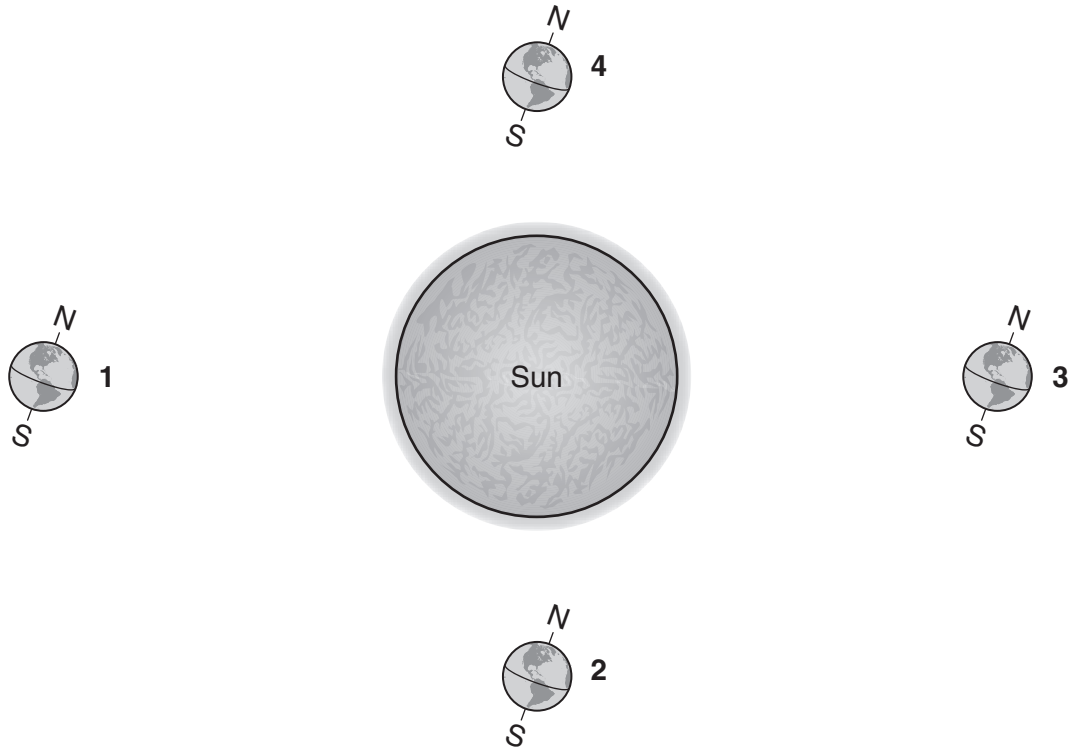
F Grass

G Mouse

H Hawk

Go On ▶

3 **The diagram shows Earth at four different locations around the sun.**



Which location shows the position of the Northern Hemisphere of Earth in summer?

A 1

B 2

C 3

4 **The energy that produces the wind originally comes from what source?**

F the sun

G the moon

H the ocean

5 **The best conductor of electric current is a wire made of**

A rubber.

B wood.

C copper.

6 **Which statement best explains why the moon looks larger than the stars when seen from Earth?**

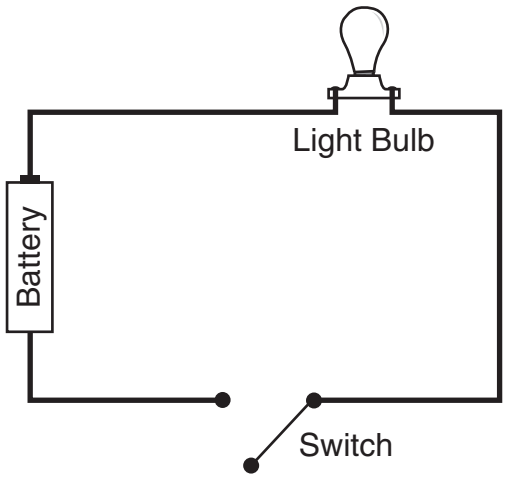
F The moon is reflecting more light than the stars.

G The moon is closer to Earth than the stars.

H The moon is much larger than the stars.

Go On ▶

7 **The diagram below shows a simple electrical circuit.**



What energy conversions occur when the switch is closed?

A chemical energy ⟶ electrical energy ⟶ light energy

B light energy ⟶ electrical energy ⟶ thermal energy

C thermal energy ⟶ electrical energy ⟶ light energy

8 **Venus appears very bright in the night sky because it**

F has a gravitational field.

G is the largest planet.

H is closest to Earth.

9 **How do trees help add nutrients to the soil in a forest?**

A Fallen leaves decay.

B Trees shade the ground.

C Roots keep rocks from breaking up.

10 **An atmospheric condition is diagrammed below.**

solar energy ⟶ warm air rises ⟶ air cools, then sinks ⟶ air currents

This process results in the formation of

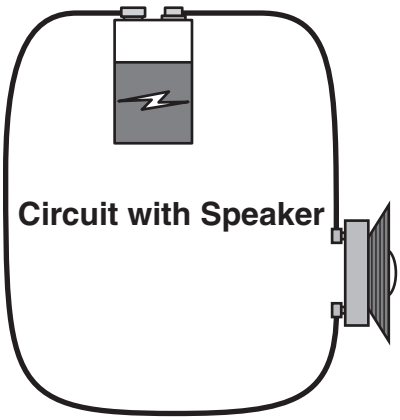
F clouds.

G rain.

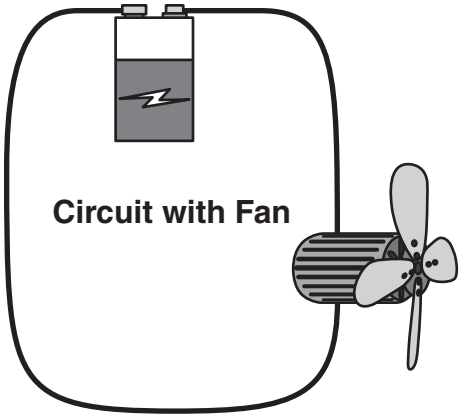
H wind.

11 **Which circuit produces heat and light energy?**

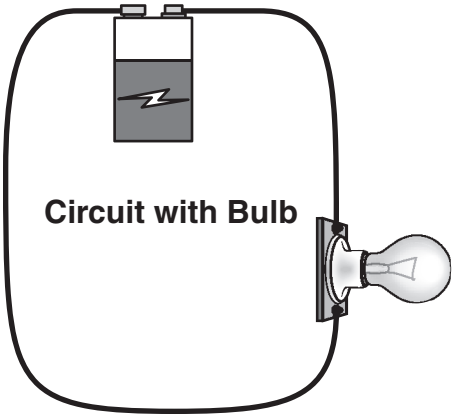
A



C

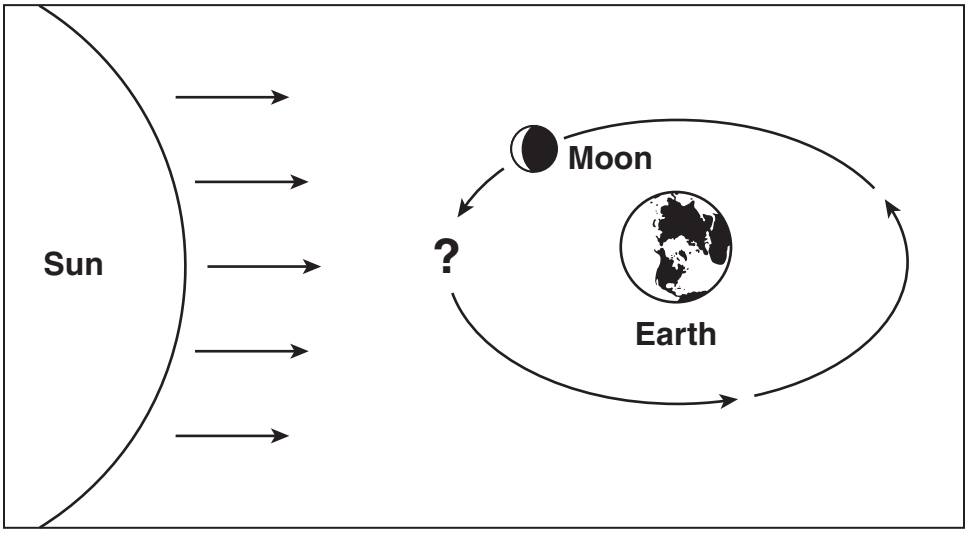


B



Go On ▶

12 **The diagram shows a moon phase.**



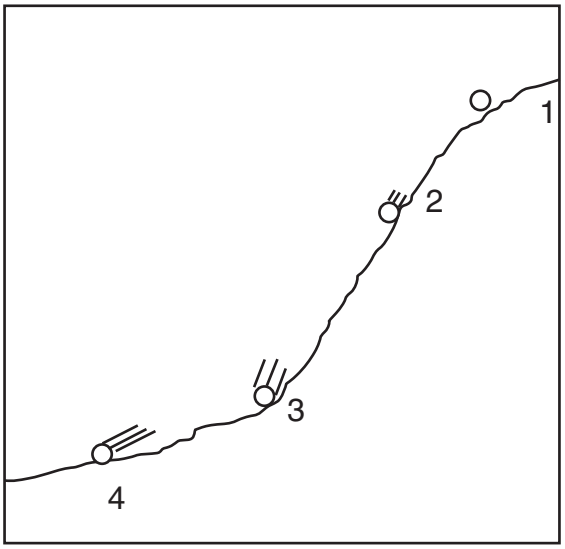
Which moon phase will happen next?

F new moon

G full moon

H crescent moon

13 **The illustration below shows the locations of a rock as it rolls down a slope.**



Which location shows the rock with the greatest potential energy?

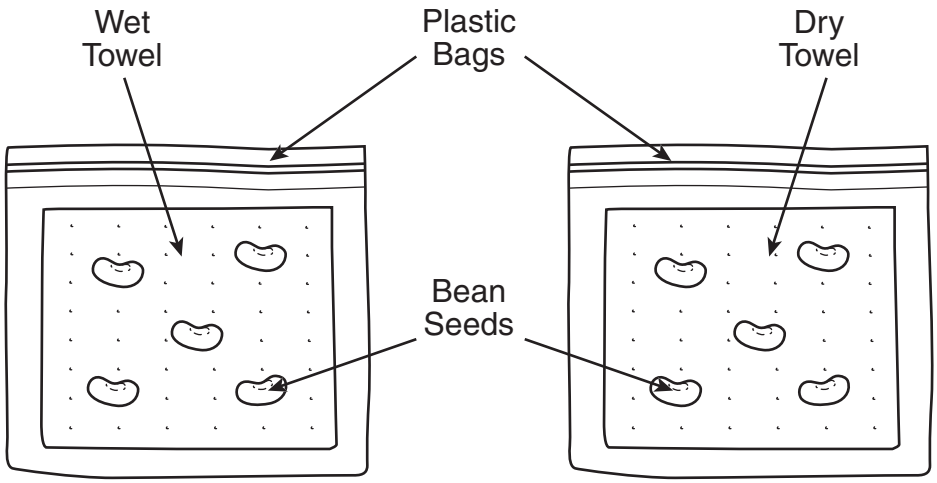
A 1

B 2

C 3

Go On ▶

14 **A student set up the investigation shown below.**



A wet paper towel is placed in one bag. A dry paper towel is placed in the other bag. After 2 weeks, only the bag with the wet paper towel has living bean plants. These results support which conclusion?

F Carbon dioxide is needed for growth.

G Seeds need more time to germinate.

H Water is needed for growth.

15 **An object is thrown upward. When it reaches its highest point, it falls back down toward the ground. What causes this?**

A The kinetic energy is converted to wind energy.

B The gravitational potential energy is converted to kinetic energy.

C The kinetic energy is converted to gravitational potential energy.

16 **A barometer reading was 29.80 mmHg and falling quickly. What type of weather condition is expected?**

F hot and dry

G thunderstorms

H fair skies

17 **A student wrote the following hypothesis for an investigation.**

Hands washed fewer than three times a day will have more bacteria on them than hands washed more than three times a day.

What is the dependent variable in the investigation?

A the type of soap used to wash the hands

B the amount of bacteria on the hands

C the amount of water used to wash the hands

18 **Which pair contains both abiotic and biotic elements found in a desert environment?**

F rocks and sunlight

G snakes and cactus

H sand and scorpions

Go On ▶

19 **A rubber band is stretched and then released. This action best shows a change in the**

A potential and kinetic energy of the rubber band.

B friction and air resistance of the rubber band.

C physical and chemical properties of the rubber band.

20 **Which statement best explains why the soil in a hardwood forest is usually rich in nutrients?**

F The daily rainfall adds minerals to the soil.

G The amount of sunlight the soil gets is ideal for plants.

H The soil is high in organic matter from decomposers.

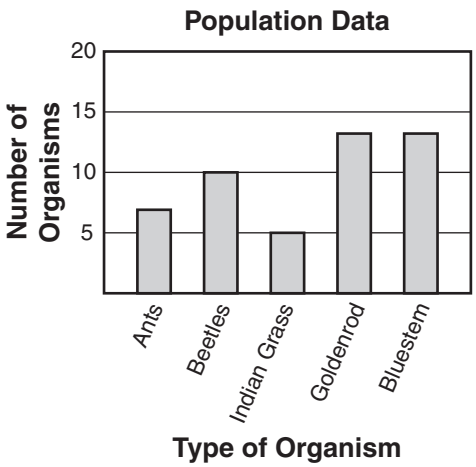
21 **The number of organisms counted by students in a one-meter square plot of land is shown below.**

Population Data

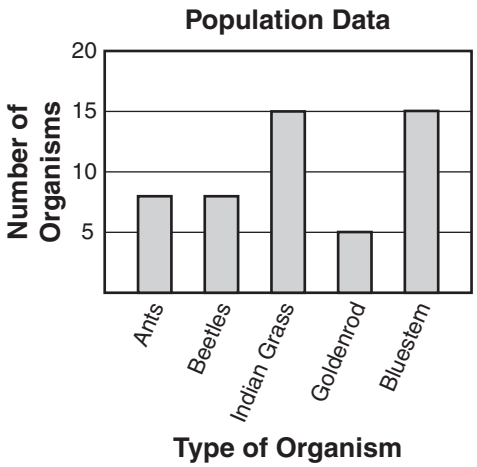
Organism	Number of Organisms
Ants	10
Beetles	2
Indian Grass	3
Goldenrod	4
Bluestem	8

Which graph <u>best</u> represents the data?

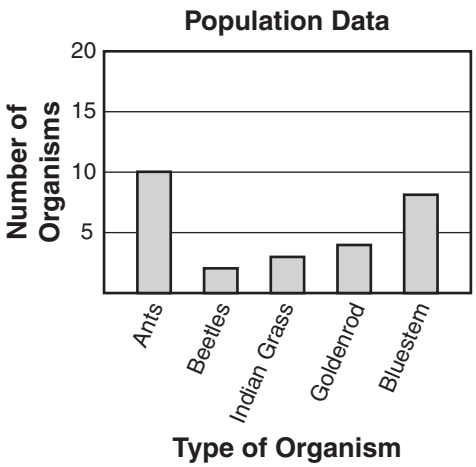
A



C



B



Go On ▶

22 **Fireworks release sound energy after the conversion of which stored energy?**

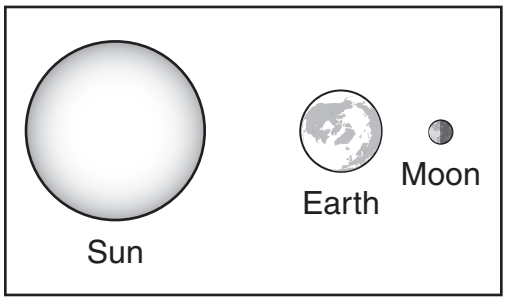
F electromagnetic energy

G elastic potential energy

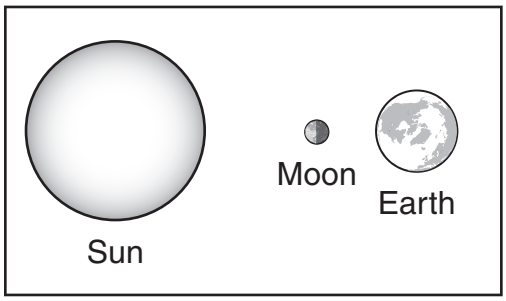
H chemical potential energy

23 **Which model best shows a solar eclipse?**

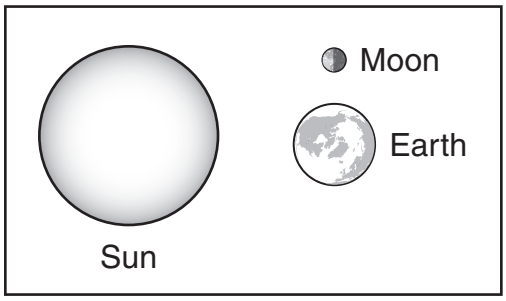
A



B



C



24 **What happens to some of the energy in a plant when it is eaten by a deer?**

F It is destroyed.

G It doubles in size.

H It helps keep the body warm.

25 **The table lists some characteristics of objects in our solar system.**

Objects in Our Solar System

Object	Location	Diameter
Asteroid	Orbits the sun	Up to 1,000 km
Moon	Orbits a planet	Up to 5,268 km
Planet	Orbits the sun	4,880–142,800 km

Scientists observe an object with a diameter of 950 km in an orbit around the sun. This object is most likely

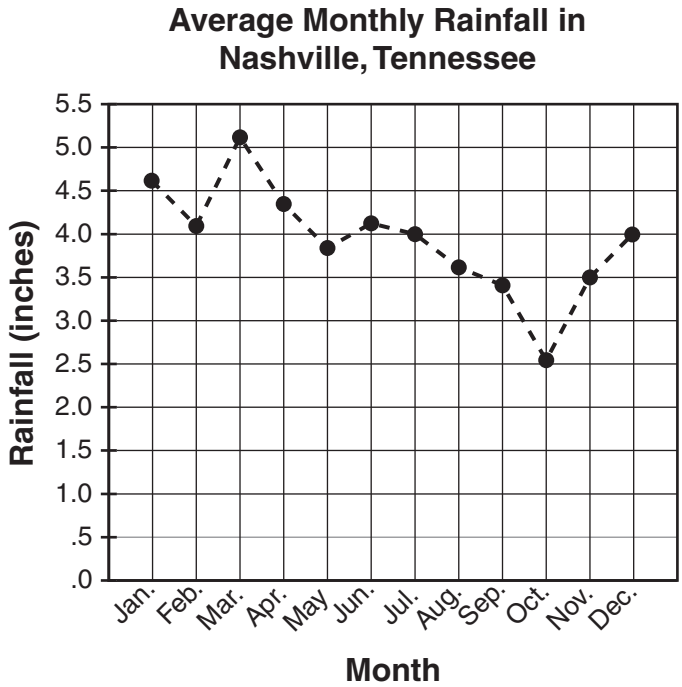
A an asteroid.

B a moon.

C a planet.

Go On ▶

26 **A group of students researched and collected data for a weather report in Nashville, Tennessee, for one year.**



Based on the data, the students concluded that all cities in Tennessee will receive about 3.6 inches of rainfall next August. Which <u>best</u> explains why the students' conclusion is <u>not</u> correct?

F The collected data did not include daily rainfall amounts.

G The rainfall averages were collected from only one city.

H The averages from last year were not included.

27 **Which type of energy is changed into kinetic energy as a marble falls from a shelf toward the ground?**

A chemical potential energy

B gravitational potential energy

C elastic potential energy

28 **A new battery is designed to provide an increased power supply in very wintry conditions. Which test will best determine if the new battery meets this goal?**

F test how well the battery works in a wide range of climate conditions

G test the amount of power the battery has under cold conditions

H test the amount of power the battery has under hot conditions

Go On ▶

29 **Which is the best example of an unintended consequence of a new technology?**

A The blades of turbines on wind-energy towers could harm birds and bats.

B Improvements in automobile engines reduce the amount of gasoline needed.

C A new cell phone transmitter design increases the range of a tower.

30 **What energy conversion occurs when a person rubs his or her hands together rapidly?**

F electrical energy to thermal energy

G kinetic energy to thermal energy

H thermal energy to kinetic energy

31 **Water and ketchup are each poured onto a tray from two separate bottles. The tables below show the amount of time it takes each liquid to flow from the top to the bottom of a tray.**

Water Data

Trial #	Time (sec.)
1	2
2	3
3	2

Ketchup Data

Trial #	Time (sec.)
1	35
2	35
3	40

What conclusion is <u>best</u> supported by the data in the tables?

A Thicker liquids take longer to travel to the bottom of a tray.

B Thicker liquids take less time to travel to the bottom of a tray.

C Liquids with sugar crystals travel to the bottom of a tray faster.

STOP

32 **The table below shows the classification of hurricanes based on the Saffir-Simpson scale.**

Hurricane Classifications

Classification	Wind Speed (mph)	Level of Damage
Tropical storm	39–73	Minor
Category 1 hurricane	74–95	Minor damage, coastal flooding
Category 2 hurricane	96–110	Some structural damage, coastal flooding
Category 3 hurricane	111–130	Moderate damage, inland flooding

One hour after a hurricane hit land, its wind speed had fallen to 98 miles per hour. What was the classification of the hurricane at that time?

F Category 1 hurricane

G Category 2 hurricane

H Category 3 hurricane

33 **What energy transfer happens as the metal coils in a toaster get hot?**

A chemical to thermal

B thermal to mechanical

C electrical to radiant

34 **The data list land and water temperatures along a beach during a one-day period.**

Coastal Temperatures Data Table

Land Temperature (°C)	Water Temperature (°C)
24	22
28	22
33	23
32	22

The data in the table can be used to make which prediction?

F Changes in water temperature have no effect on land temperature.

G The water temperature will not change as fast as the land temperature.

H The land temperatures will affect the temperature of the water.

35 **A company designed an electromagnetic tool that removes dents from metal plates.**

What step should be taken by the company to determine if the tool works as planned?

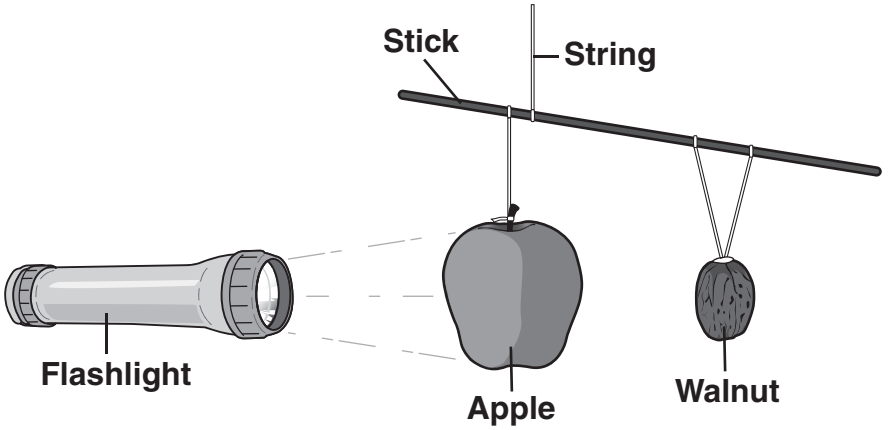
A compare the cost of using the new tool to other dent removal tools

B compare the shape of the treated metal to the original shape of the metal

C compare the size of the new tool to other dent removal tools

Go On ▶

36 **A teacher uses a flashlight, an apple, and a walnut to show a lunar eclipse.**



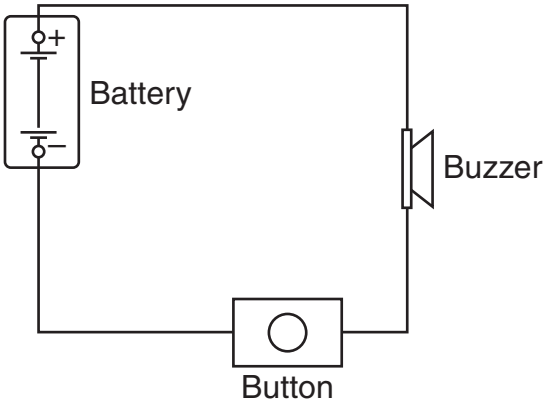
This lab setup <u>best</u> shows that a lunar eclipse takes place during a

F new moon.

G full moon.

H crescent moon.

37 **The picture shows a buzzer that rings when the circuit is completed.**



The buzzer transfers electrical energy into

A sound energy.

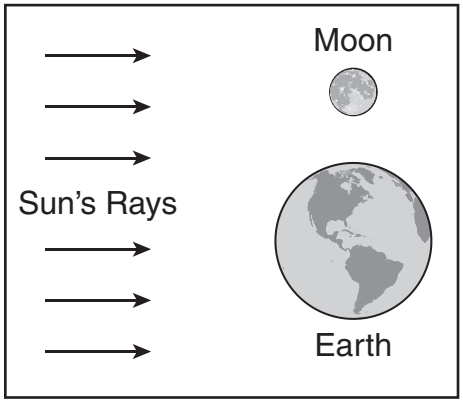
B chemical energy.

C light energy.

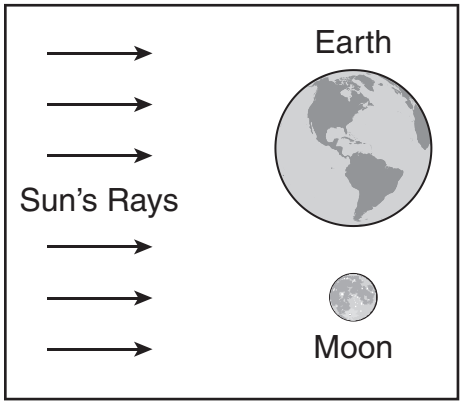
Go On ▶

38 **Which diagram <u>best</u> shows the position of Earth, moon, and the sun during a new moon?**

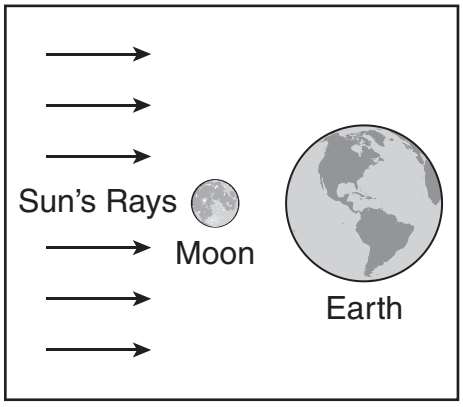
F



G



H



39 **During a storm winds were measured at 145 miles per hour and were moving in a circular pattern. Which of these was most likely occurring?**

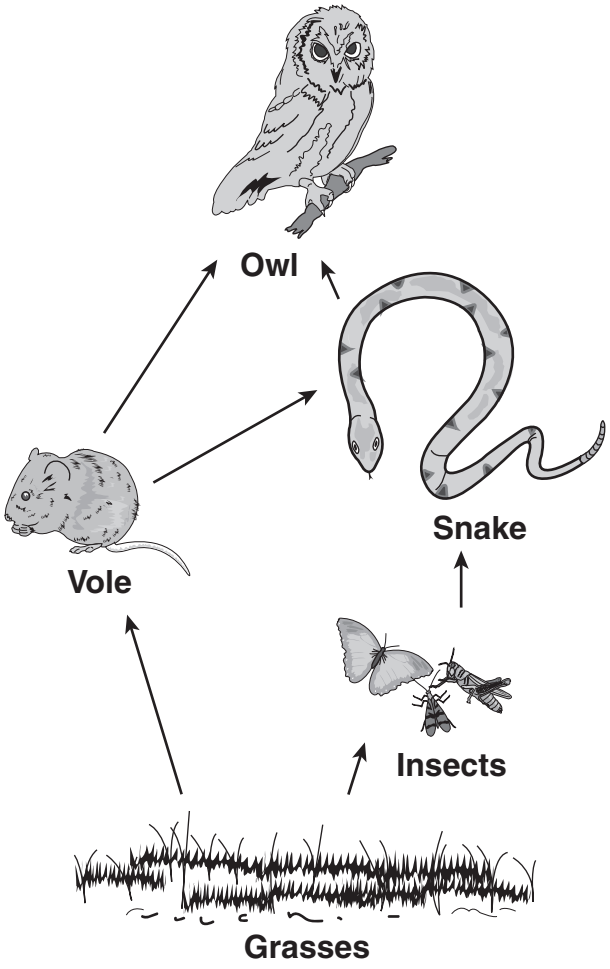
A lightning

B tornado

C rainbow

Go On ▶

40 **A grassland food web is shown in the diagram below.**



According to the diagram, the owl directly receives energy from which organism?

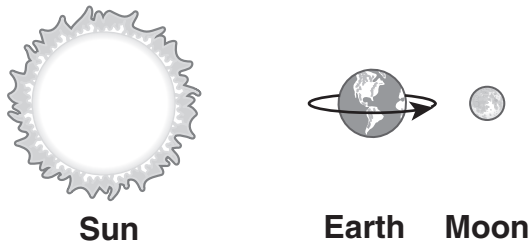
F Vole

G Insects

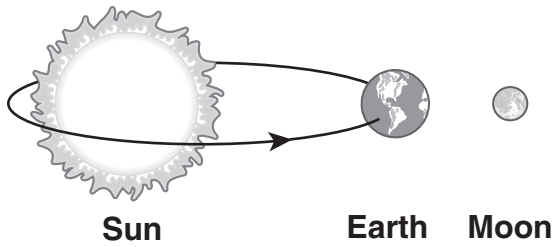
H Grasses

41 **Which diagram best shows one day on Earth?**

A



B



C

42 **Which of these is the best example of chemical potential energy?**

F a book resting on a shelf

G a stretched rubber band

H a fuel tank filled with gasoline

Go On ▶

43 **Cold ocean currents are usually found at deep ocean depths because**

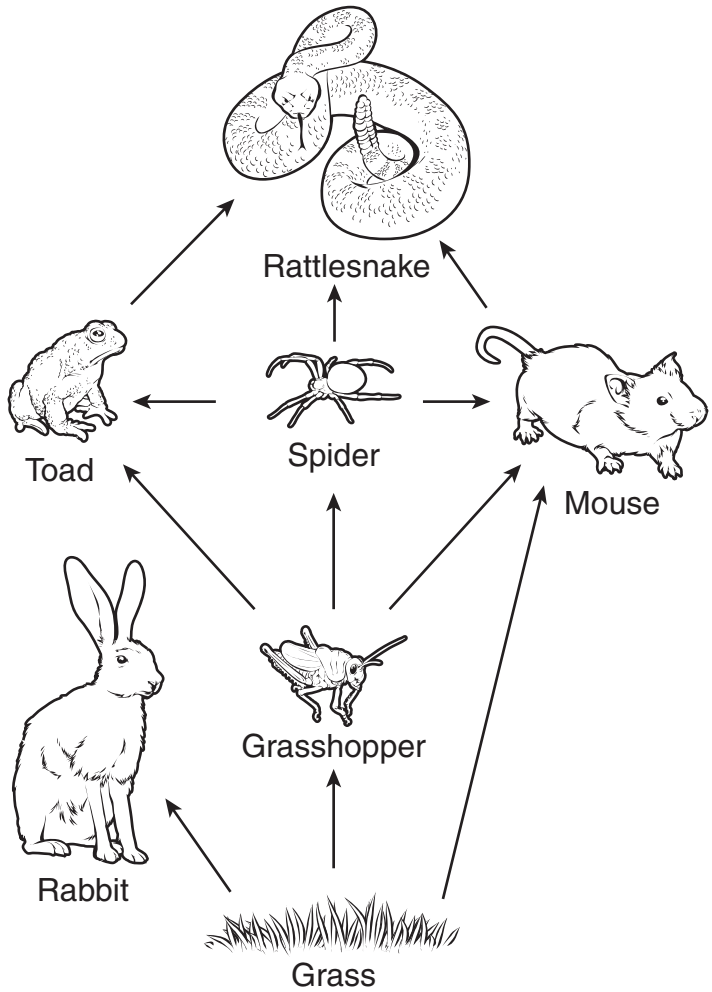
A winds push down the cold water.

B ocean tides force cold water downward.

C cold water sinks down below warm water.

44 **A prairie food web is shown below.**

Prairie Food Web



Which pair of organisms is only consumers?

F Toad and Grass

G Grass and Mouse

H Grasshopper and Spider

Go On ▶

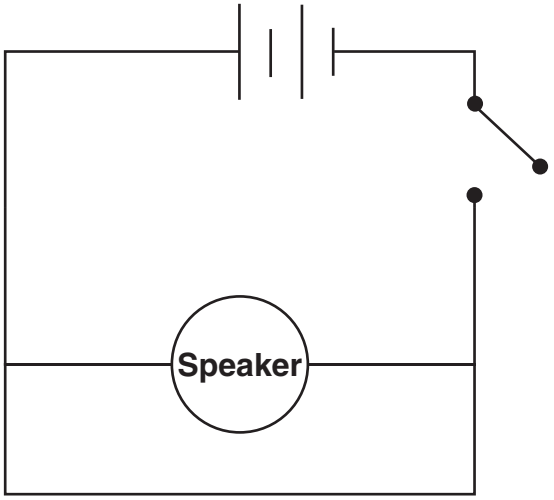
45 **Which event can occur when the moon passes between Earth and the sun?**

A crescent moon

B solar eclipse

C lunar eclipse

46 **A diagram of a circuit is shown below.**



When the switch is closed, the circuit will produce

F light energy.

G wind energy.

H sound energy.

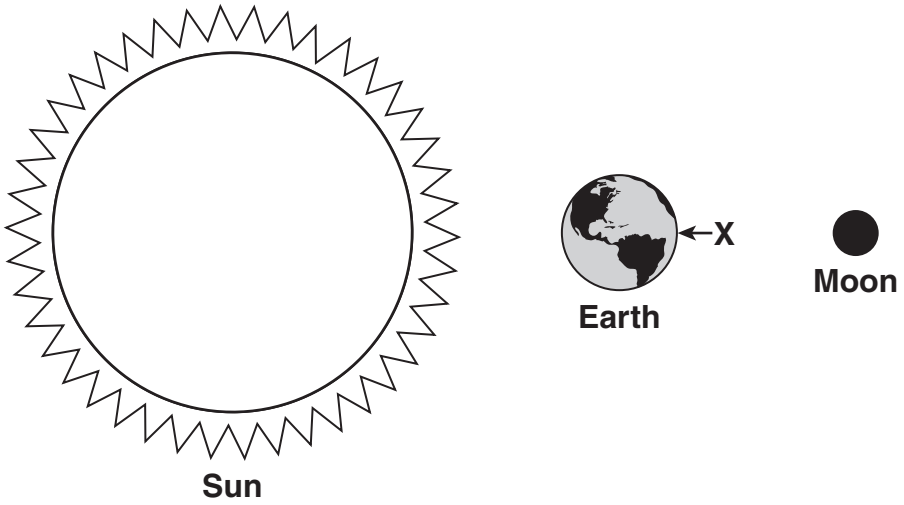
47 **Which best explains how warm surface ocean currents move toward polar areas?**

A Sunlight heats air, forming strong winds that push the currents.

B Low and high tides create energy that causes currents to move.

C Shifting ocean plates force currents toward the poles.

48 **A diagram of the sun, Earth, and the moon is shown below.**



According to the diagram, what type of ocean tide takes place at location X?

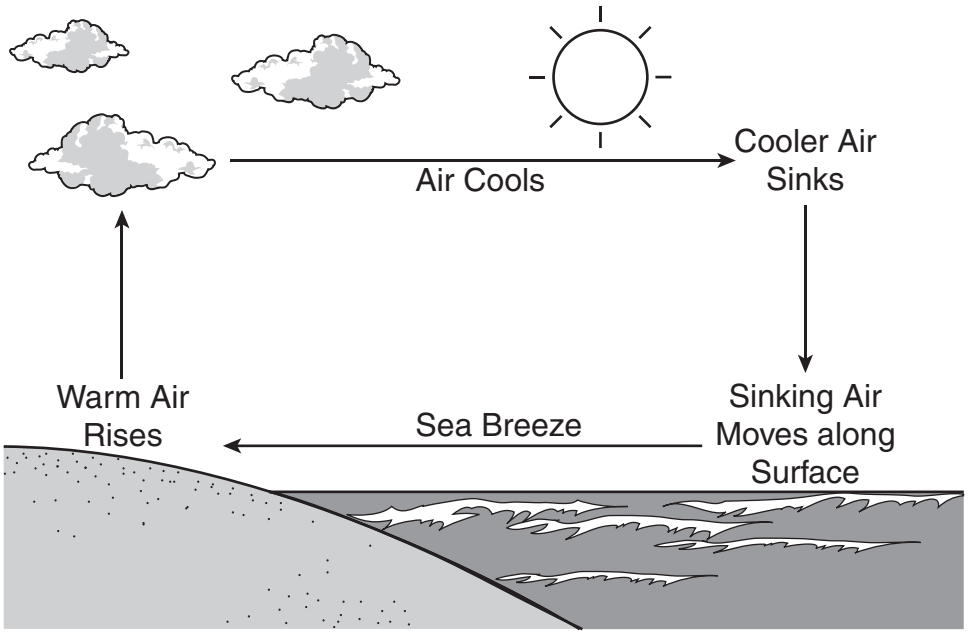
F red

G high

H low

Go On ▶

49 **The drawing below shows a sea breeze.**



This drawing <u>best</u> shows that the sun's energy

A causes winds.

B forms sand.

C causes seasons.

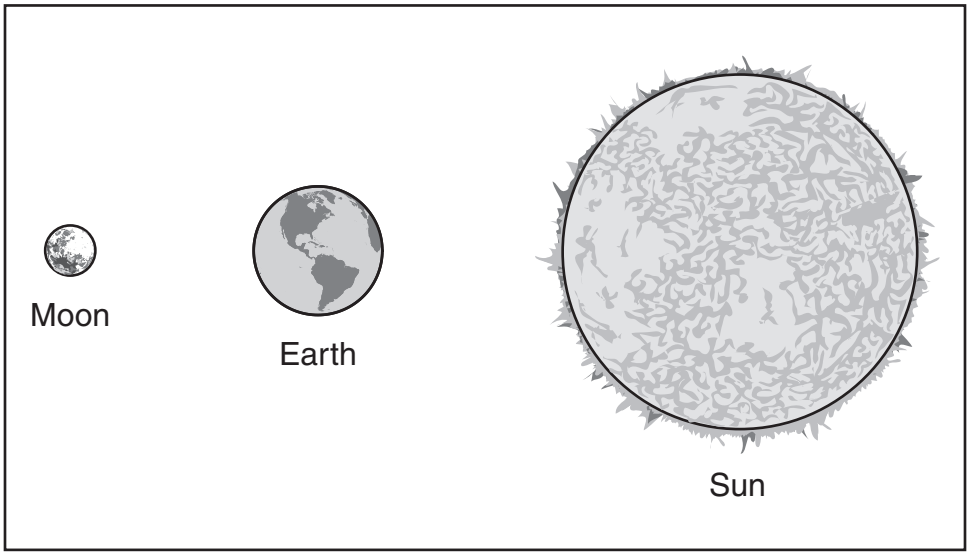
50 **The Arctic tundra provides a habitat for caribou and arctic hare. Which <u>best</u> describes the climate in which these animals live?**

F cold and humid

G warm and dry

H cold and dry

51 **A diagram of the moon, Earth, and sun are shown below.**



Which type of tide occurs when the moon, Earth, and sun are in a straight line?

A rip tide

B spring tide

C neap tide

52 **What happens to the chemical energy in a battery when a flashlight is turned on?**

F More energy is created.

G The energy loses matter.

H The energy changes forms.

Go On ▶

53 **Some soybean plants have been genetically modified to prevent caterpillars from eating them. This new technology applied to the soybeans results in**

A an adaptive bioengineered product.

B a natural genetic mutation.

C an assistive bioengineered product.

54 **Which pair of objects will best conduct electricity?**

F iron washer and metal fork

G door key and rubber ball

H copper pipe and wooden spoon

55 **The data collected for a summer evening are shown below.**

Meteorological Data

Barometric Pressure	↑
Humidity	80%
Temperature	↑

Based on these data, what type of weather should be expected for the next day?

A clear and sunny

B cool and rainy

C cloudy and cold

56 **Which organisms add nutrients to the soil by breaking down the remains of dead organisms?**

F scavengers

G producers

H decomposers

57 **What causes a lunar eclipse to occur?**

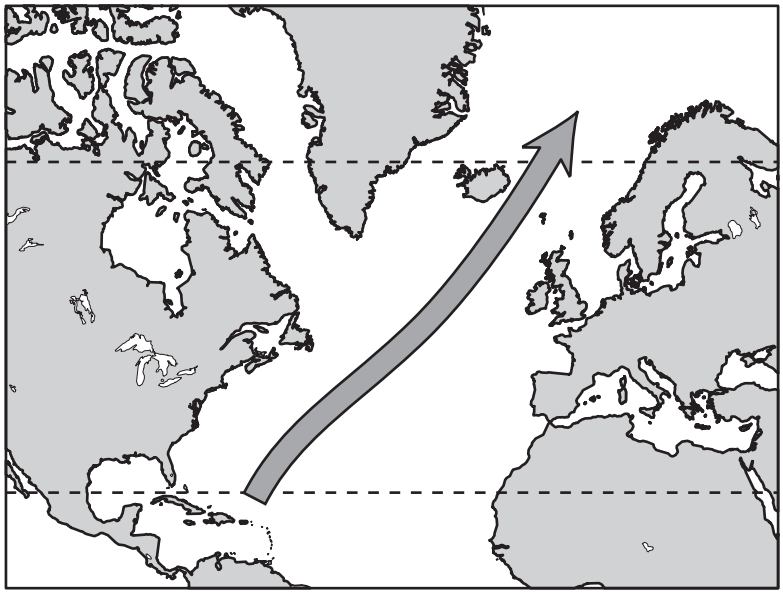
A The moon's shadow falls on Earth.

B Earth's shadow falls on the moon.

C The sun's shadow falls on Earth.

Go On ▶

58 **The warm water currents of the Gulf Stream are shown in the diagram below.**



Which best describes the movement of the Gulf Stream?

F Cold currents carry cold water from the poles toward the equator.

G Warm currents carry warm water from the tropics toward the poles.

H Warm currents carry cold water from the tropics toward the poles.

59 **About how long does it take to complete one cycle of moon phases?**

A a month

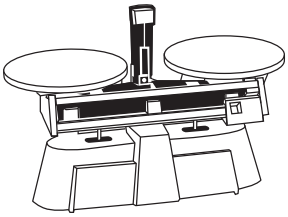
B a day

C a year

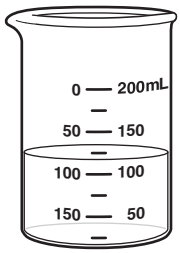
60 **A tennis ball is hit with a tennis racket.**

Which tools are needed to measure the speed of the tennis ball and the distance the ball travels?

F

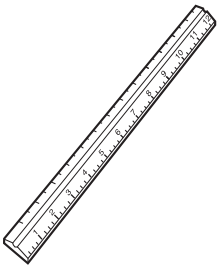


Pan Balance

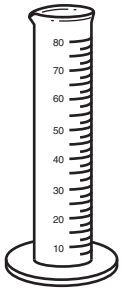


Beaker

G



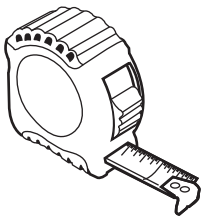
Metric Ruler



Graduated Cylinder

H

Stopwatch



Measuring Tape

Go On ▶

61 **A bottle company noticed that bottle caps were being put on bottles with too much force, resulting in broken bottles. Engineers changed the capping device so it would use less force.**

Which step should the engineers take before the capping device is considered fixed?

A observe the number of broken bottles after the device has been adjusted

B increase the size of the bottle caps used in the capping process

C replace the bottle caps with different caps that cover a larger bottle opening

STOP

DO NOT

MARK

ON THIS

PAGE

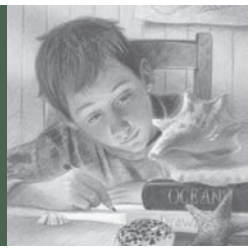
DO NOT

MARK

ON THIS

PAGE

Social Studies



Part 1

?

- Language
- Religion
- Traditions
- Values

1 **Which term is the best title for the list above?**

A Technology

B Culture

C Economy

2 **Which of these years came before the year 25 B.C.E.?**

F 5 B.C.E.

G 10 B.C.E.

H 50 B.C.E.

Go On ▶

3 **The preservation of classical texts during the Middle Ages was most often accomplished in**

A monasteries.

B manors.

C shops.

4 **Martin Luther is best known for**

F leading a religious reform movement.

G writing about his travels to China.

H conquering the Persian Empire.

Totem Pole

© Fotandy/Dreamstime #1265103

5 **Which culture created artifacts like the one pictured above?**

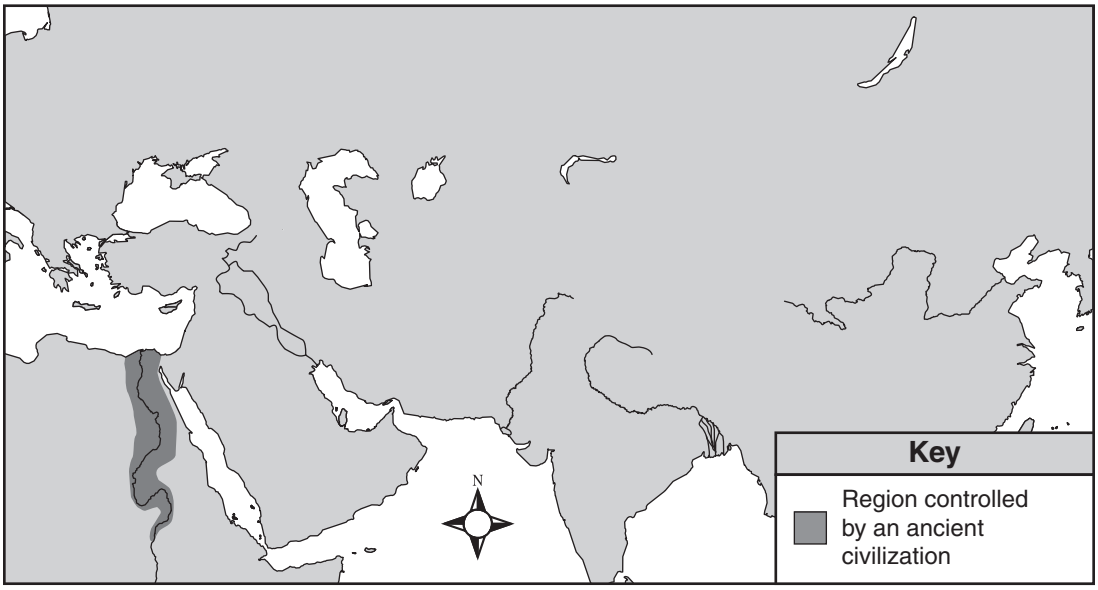
A East Asian

B Middle Eastern

C Native American

Go On ▶

An Ancient Civilization



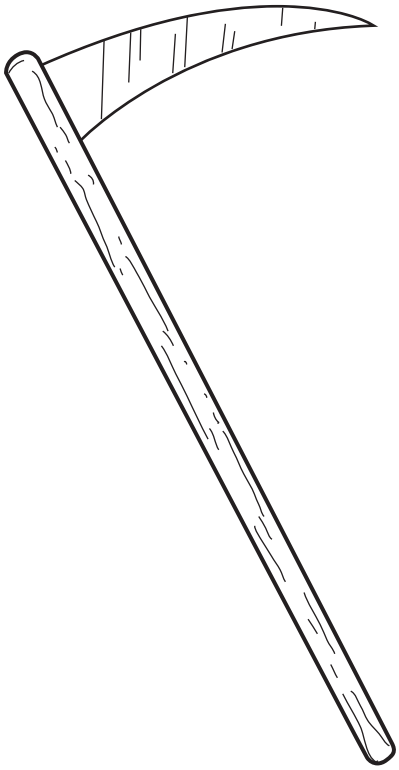
6 **Which early civilization was located in the shaded region of the map?**

F Indian

G Chinese

H Egyptian

Scythe



7 **The tool above was important because it helped early civilizations**

A harvest food.

B build homes.

C move goods.

8 **Which of these statements best describes a barter economy?**

F People put the money they earn into bank accounts.

G People use credit cards to make purchases.

H People trade directly with one another for goods.

Go On ▶

Directions Use the timeline below to do Numbers 9 and 10.

Some Events During the Middle Ages

Note: Dates are approximate.

9 **The information shown on the timeline suggests that during the Middle Ages**

A people of all classes had equal rights.

B most rulers were elected by the people.

C the Church controlled many aspects of people's lives.

10 **Which of these events could also be placed on the timeline?**

F the building of the Great Pyramid

G the outbreak of the plague in Europe

H the development of city-states in Greece

11 **The main purpose of a map key is to show**

A the cardinal directions.

B the meaning of the symbols.

C the distance between places.

a body of water completely surrounded by land

12 **Which of these best fits the definition above?**

F bay

G harbor

H lake

13 **Renaissance philosophers changed the way people thought by**

A asking people to question beliefs that had always been followed.

B pointing out the mistakes in thinking made earlier in history.

C encouraging people to continue following traditional beliefs.

Go On ▶

14 **Which of these was an advantage most early farming communities had over nomadic communities?**

F smaller population size

G availability of permanent shelter

H less need for rules and regulations

15 **A scholar could study which epic to learn about early Indian culture?**

A *The Aeneid*

B *Mahabharata*

C *The Odyssey*

16 **Which action is performed by an archaeologist?**

F examine recent events

G discover new diseases

H search for ancient tools

17 **The spread of Islam during the 700s most influenced the cultures in**

A East Asia.

B North Africa.

C South America.

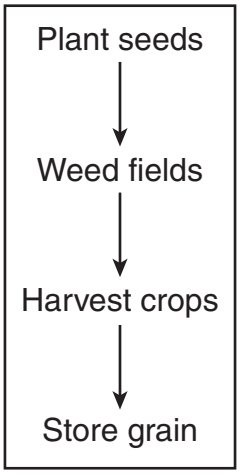
- Heard a call to save the nation
- Defeated the English at Orleans
- Was tried as a witch

18 **Who is described by the list above?**

F Hatshepsut

G Joan of Arc

H Queen Isabella



19 **Which type of early community is described by the flow chart above?**

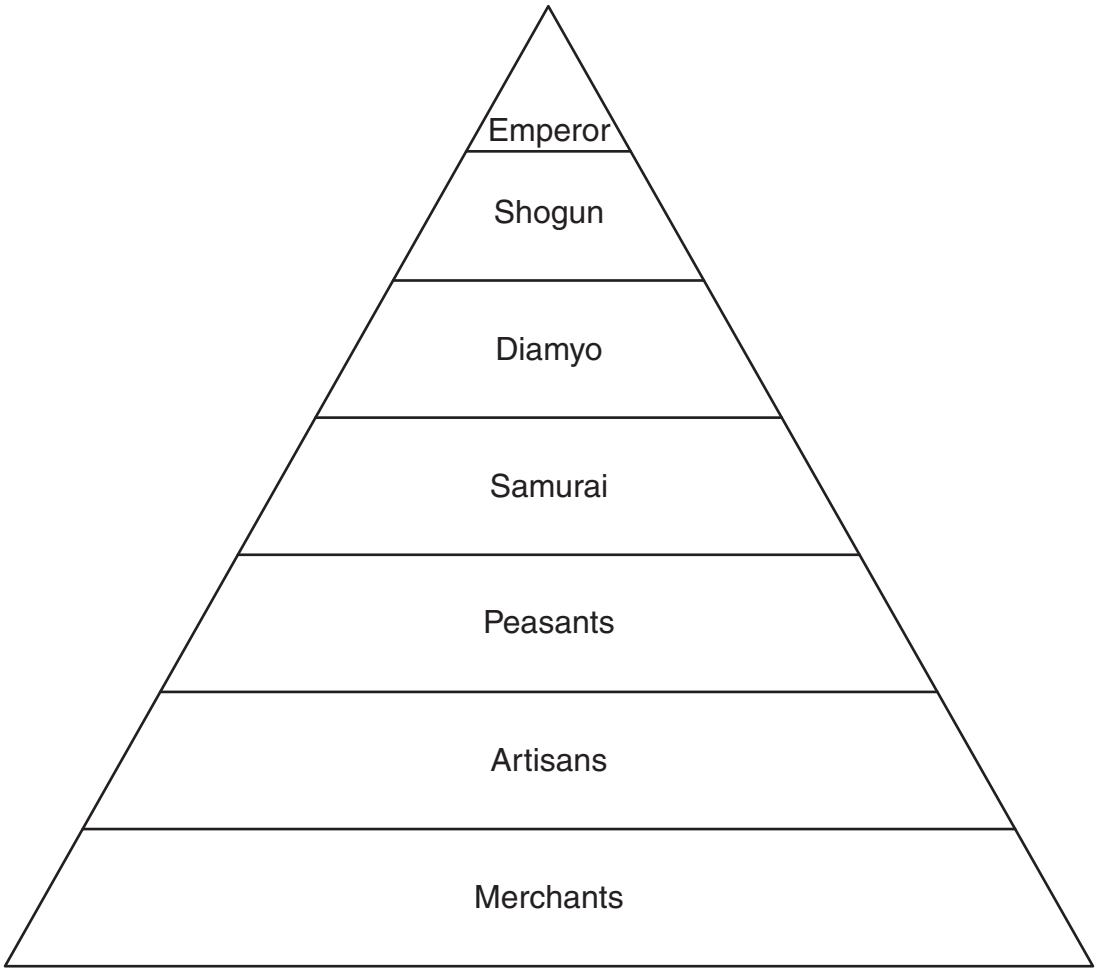
A fishing

B nomadic

C farming

Go On ▶

Japanese Society, c. 1400



20 **Based on the diagram above, which level of Japanese society was least respected?**

F Merchants

G Peasants

H Emperors

21 **In the 1400s and 1500s many European nations explored other parts of the world. Which of these best describes the main goal of these explorations?**

A to promote religious freedom

B to help the economies of other nations

C to gain access to resources

22 **Which statement best explains why the desert regions surrounding the Nile River helped the ancient Egyptian civilization develop?**

F They made it easier to trade with other cultures.

G They were barriers that prevented enemy invasions.

H They supplied the wood needed to build sailing ships.

23 **Which of these was the main reason for the fall of democratic government in ancient Athens?**

A earthquakes that destroyed the city

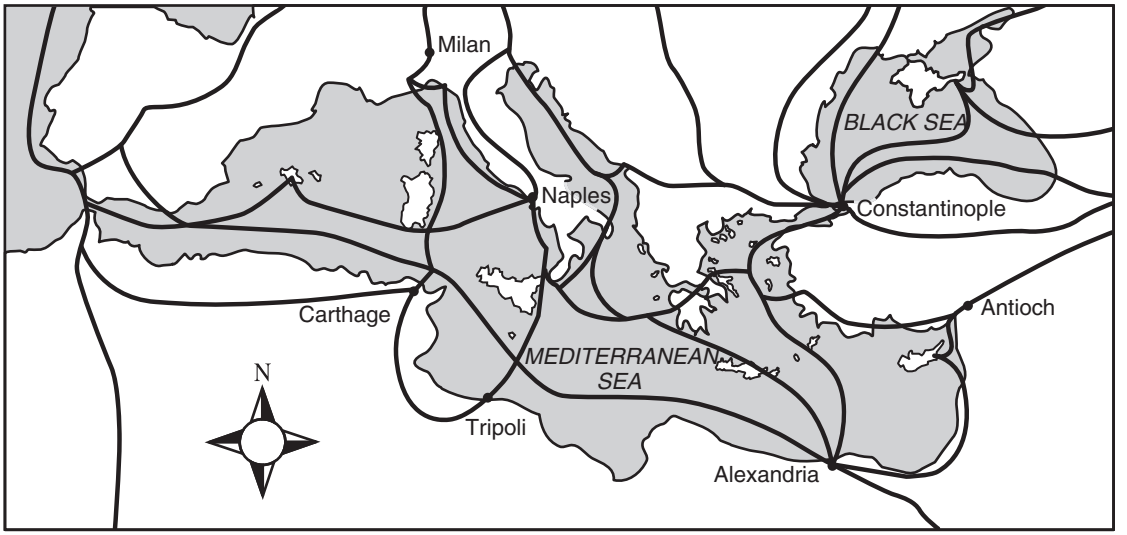
B drought that ruined crops in Greece

C warfare with other Greek city-states

Go On ▶

Directions Use the map below to do Number 24.

Some Trade Routes in Medieval Europe



24 **Based on the map, which statement about trade routes in medieval Europe is true?**

F Few of the trade routes were through Constantinople.

G The Mediterranean Sea was an important trade route.

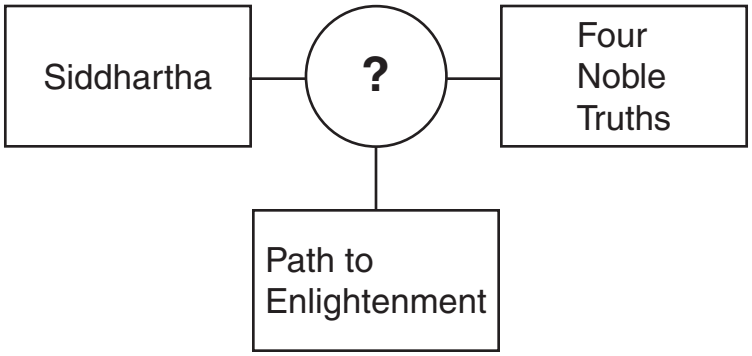
H The trade routes reached beyond the Atlantic Ocean.

25 **An example of a direct democracy is when citizens**

A are forced to defend their country.

B vote on every law that is written.

C have no choice in where they live.



26 **Which religion completes the diagram above?**

F Buddhism

G Islam

H Taoism

- Emperor
- Senate
- Forum

27 **Which ancient civilization is <u>most</u> associated with the terms listed in the box above?**

A Chinese

B Egyptian

C Roman

Go On ▶

28 **During the 1500s, while Europe experienced the Renaissance, China could best be described as**

F tribal.

G nomadic.

H isolated.

29 **Renaissance philosophers developed their ideas in part by studying the works of**

A classical Greeks.

B ancient Buddhists.

C early Egyptians.

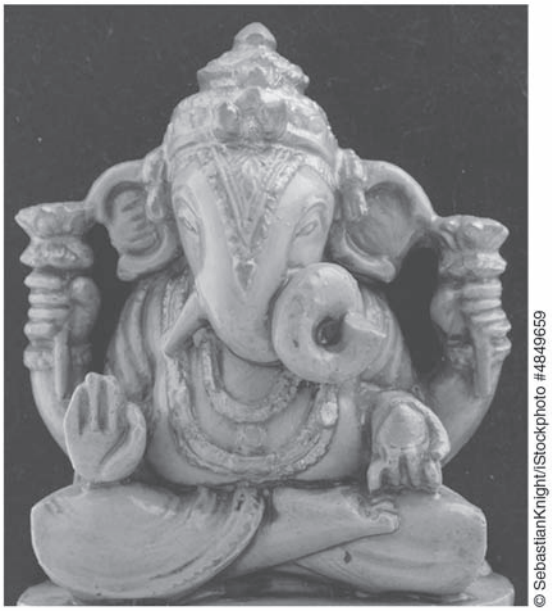
30 **The purpose of Hammurabi's Code was to provide**

F safe travel on roads.

G procedures for religious rituals.

H punishments for breaking laws.

Ganesha



Shiva

31 **The images shown above reflect the religion of ancient**

A Greece.

B India.

C Rome.

STOP

Part 2

32 **An anthropologist compares different**

F natural landforms.

G cultural groups.

H archival documents.

33 **The myth of Romulus and Remus is a story about the**

A birth of humanity.

B fall of an empire.

C founding of a city.

34 **One difference between the development of civilizations in India and Egypt was the**

F influence of Hinduism.

G growth along rivers.

H interaction with other cultures.

35 **The North American Inuits have lived successfully in the cold arctic weather because of**

A protein from local foods.

B money from coal mines.

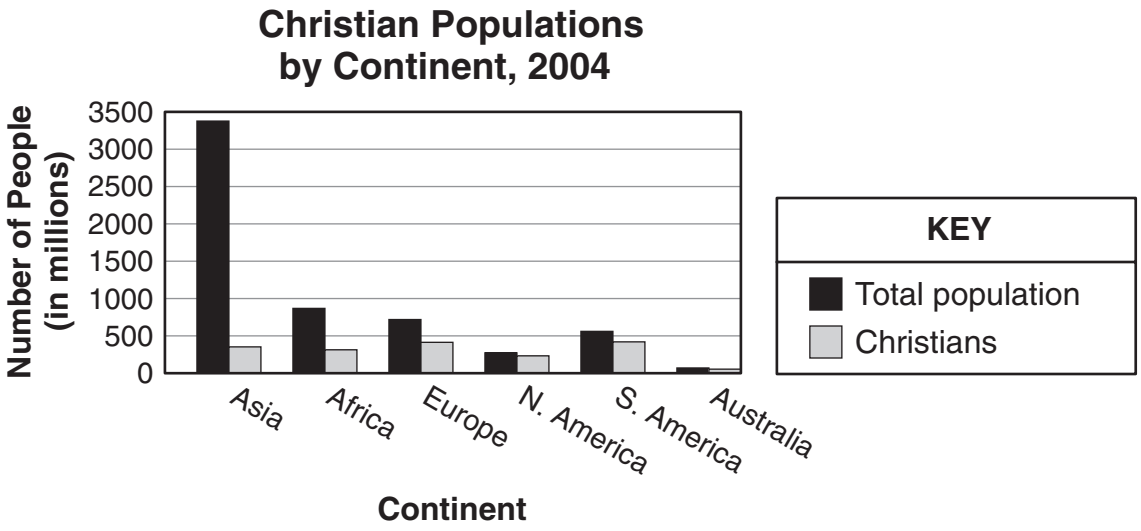
C wood from nearby forests.

36 **Which technological advance most helped the success of ancient Mesopotamian villages?**

F irrigation methods

G advanced mathematics

H papyrus records



37 **The information shown on the graph suggests that Christianity**

A became the main religion on every continent.

B spread to all inhabited continents.

C was limited to the Americas.

Go On ▶

The Parthenon

© Melis82/Dreamstime #7038006

38 **The image above shows the ruins of a structure built by the ancient**

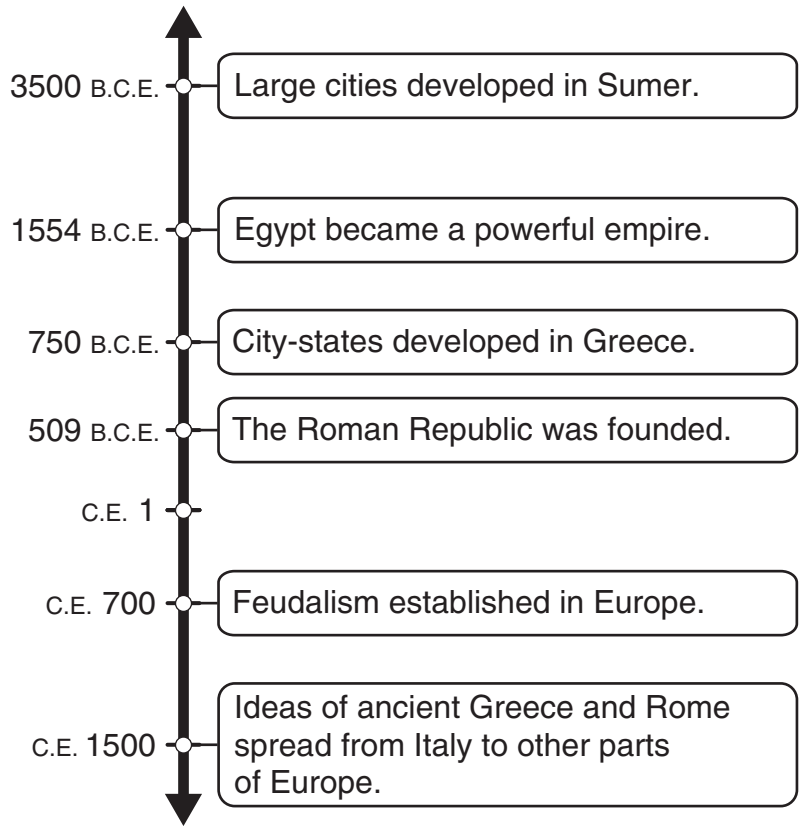
F Chinese.

G Egyptians.

H Greeks.

Directions Use the timeline below to do Numbers 39 and 40.

Developments in the Ancient World



Note: Dates are approximate.

4000 B.C.E.– Ships from Crete Traveled the Mediterranean.

39 **Where on the timeline should this information be placed?**

A before the development of large cities in Sumer

B between Egypt becoming an empire and the development of city-states in Greece

C between the founding of the Roman Republic and the establishment of feudalism in Europe

Go On ▶

40 **Which of these events occurred closest in time to the founding of the Roman Republic?**

F City-states developed in Greece.

G Egypt became a powerful empire.

H Ideas of Greece and Rome spread to other areas.

41 **Arabic spread throughout the Middle East and North Africa because of the growth of**

A Christianity.

B Judaism.

C Islam.

Leader	Action	Effect
Augustus Caesar	Increased size of Roman army	?

42 **Which phrase <u>best</u> completes the table above?**

F Continued to expand the empire

G Established new trade alliances

H Granted citizens the right to vote

43 **Which of these time periods is a decade?**

A 1899 to 1900

B 1350 to 1400

C 1010 to 1020

44 **Which of these ancient civilizations used hieroglyphics?**

F Babylon

G Egypt

H Sumeria

45 **An era of exploration began at the end of the Middle Ages because Europeans**

A needed lands for a growing European population.

B wanted to find new trade routes to China.

C became interested in Italian medical research.

Go On ▶

Major Religions in South Asia

Hinduism	?
Belief in many gods	Believe in Allah
Practice meditation	Pray five times a day

46 **Which religion completes the table above?**

F Islam

G Christianity

H Buddhism

47 **Which person helped change religious thought by challenging the Pope?**

A Martin Luther

B Johannes Gutenberg

C Christopher Columbus

?

- Domesticated animals
- Invention of new tools
- Irrigation systems

48 **Which type of ancient community best titles the above list?**

F Nomadic

G Farming

H City-state

49 **Which person travels to unfamiliar places looking for riches and seeking to spread religion?**

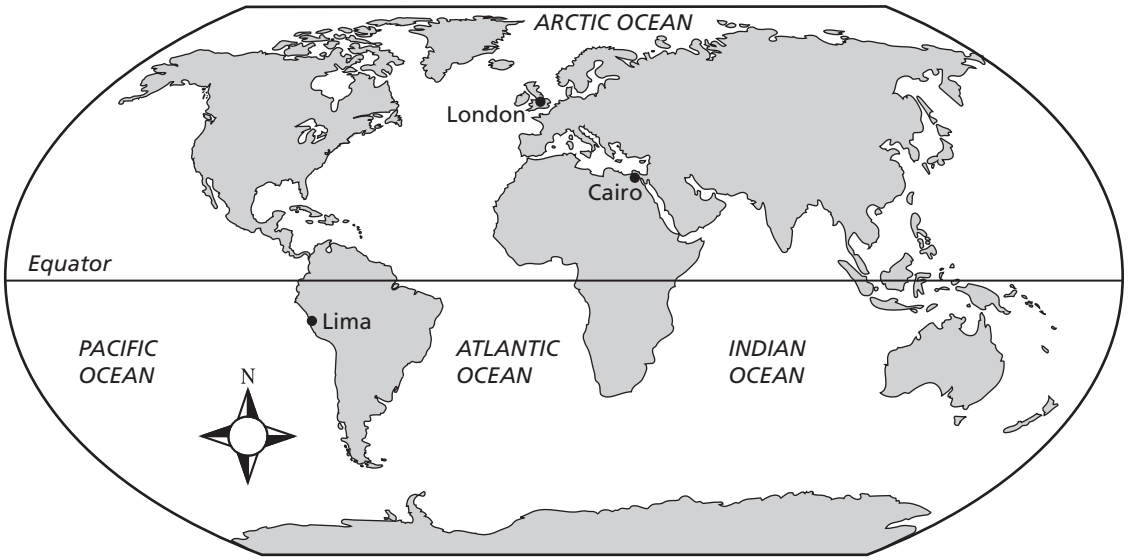
A an inventor

B an explorer

C a philosopher

Go On ▶

Directions **Use the map below to do Number 50.**



50 **According to the map, which of these cities is located farthest south?**

F Cairo

G Lima

H London

51 **The ancient Greek city-state of Sparta had a society organized on which principle?**

A monotheism

B philosophy

C militarism

52 **Which Renaissance thinker is best known for using a telescope to study lunar craters?**

F René Descartes

G Nicolaus Copernicus

H Galileo Galilei

53 **Which document helped to establish the idea of limited government?**

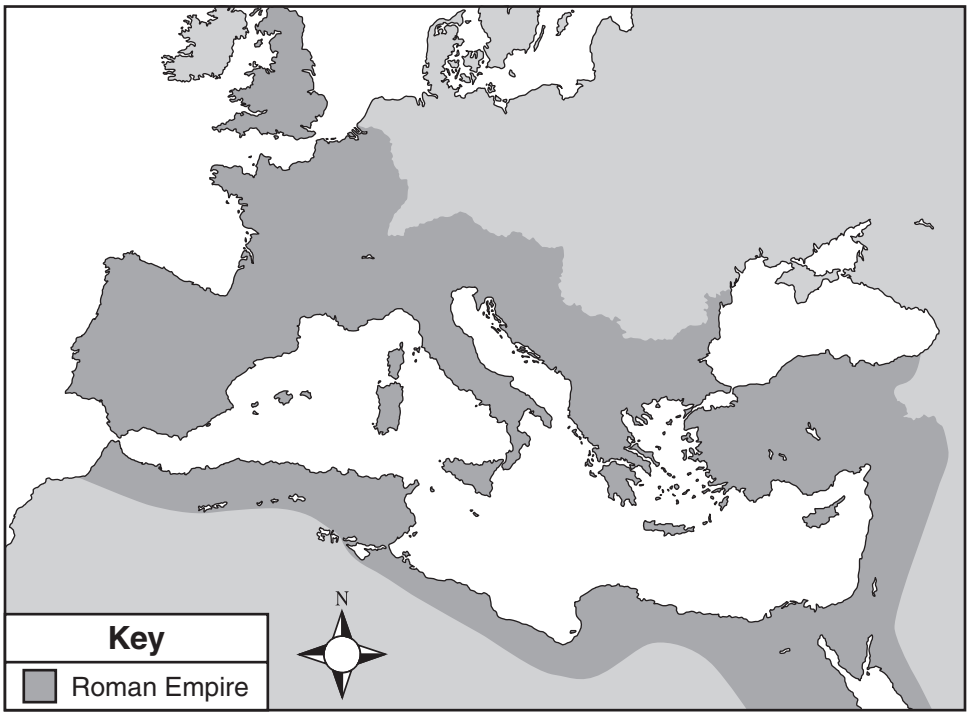
A Magna Carta

B Justinian Code

C Domesday Book

Go On ▶

Roman Empire, 395 A.D.



54 **Which of these statements is supported by the map above?**

F Rome controlled the trade in the Mediterranean.

G Rome built a road system to take over Africa.

H Rome established alliances with empires in Asia.

55 **The Renaissance changed the nature of European society by encouraging**

A a distrust of ideas and inventions.

B a fear of outside influence on European culture.

C a greater emphasis on art and philosophy.

56 **An early technological advance that improved transportation was the development of the**

F plow.

G wheel.

H sword.

57 **The development of writing in ancient Mesopotamia made possible the first**

A legal codes.

B private businesses.

C national armies.

The Nile River

- Flows north into the Mediterranean Sea
- Traveled with sailing craft
- **?**

58 **Which of these statements <u>best</u> completes the list above?**

F Yearly flooding improved the soil

G Fast currents provided power

H Riverbanks were easily defended

Go On ▶

59 **The year 500 C.E. belongs in which era?**

A Dark Ages

B Middle Ages

C Renaissance

lunar (adjective) Of or [part of] to the moon [from Latin – the moon]

60 **What does the dictionary entry above best show about the development of the English language?**

F The English alphabet is different from alphabets of other languages.

G Some English words have come from other languages.

H The English language has influenced other languages.

Caste System	Monarchial System	Democratic System
People's job and social standing determined by birth	?	Citizens take responsibility for the laws

61 **Which statement <u>best</u> completes the diagram above?**

A Subjects travel as missionaries

B Subjects obey the rulers

C Subjects set the taxes

STOP

Reading/Language Arts
Answer Key

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

20	H
21	B
22	H
23	B
24	H
25	A
26	H
27	B
28	G
29	A
30	F
31	C
32	F
33	B
34	F
35	A
36	H
37	A
38	F

39	B
40	F
41	B
42	H
43	B
44	F
45	C
46	H
47	B
48	G
49	B
50	F
51	A
52	H
53	B
54	F
55	A
56	G
57	C

58	G
59	C
60	F
61	C
62	G
63	A
64	F
65	A
66	H
67	B
68	H
69	C
70	F
71	C
72	H
73	A

Mathematics
Answer Key

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

14	H
15	C
16	G
17	C
18	F
19	C
20	F
21	C
22	F
23	C
24	G
25	A
26	H

27	B
28	F
29	A
30	H
31	B
32	H
33	B
34	H
35	A
36	G
37	B
38	F
39	B

40	F
41	B
42	F
43	A
44	G
45	A
46	G
47	C
48	H
49	C
50	F
51	B

Science
Answer Key

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

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

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

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

Social Studies
Answer Key

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

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

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

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

Tennessee Comprehensive Assessment Program

Modified Academic Achievement Standards ~ Grade 6

Practice Test

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