

KAEOPP HS Scholar's Bowl

Round # 1

2011

1 Eclipses

Because of effects of Earth's atmosphere, the Moon can have what apparent color during an eclipse?

red (reddish)

2 Pulleys

You have one end of a rope tied to a horizontal shaft. The rope goes through a single movable pulley attached to the load. If you are standing above the shaft pulling on the rope, what is the mechanical advantage of this system?

3 Change of State

Through de-ionization, plasma changes to what other phase of matter?

2

4 Conifers

Because conifer needles contain a certain substance, when they fall, they tend to make the soil beneath them inhospitable to other plants. In terms of pH, the soil becomes ...

gas

5 Introduced Species

What large, voracious, herbivorous, semi-aquatic rodents native to South America were brought into the U.S. as valuable furbearers and became an explosively invasive species in many southeastern states by undermining levees and foraging farmlands and yards?

acidic

nutria (coyupu)

6 Mental States

These are types of what mental states?
rapture, mortification, astonishment, pride, exasperation, joviality, eagerness, enthusiasm

emotions

7 Psychological Disorders

What disorder is characterized by alternating swings from euphoria, excitability, hopefulness, and irritability to sadness, lethargy, pessimism, and feelings of worthlessness?

bipolar disorder (manic depression)

8 Physiology

What is the general physiological term for these conditions?

sluggishness, weariness, exhaustion, languor, sleepiness, tiredness, debilitation

fatigue

9 Physics in Construction

A nail hit from one side with a hammer will bend but not break because what kind of bonds hold its atoms together?

metallic bonds

10 Atmospheric Temperature

The three means by which Earth's atmosphere is heated are conduction, convection, and ...

radiation

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11 Australian Wildlife

What kind of animal is the Australian goanna?

lizard (monitor lizard, reptile)

12 Astronomy

The presence of particular elements in the atmosphere of distant stars can be determined through the analysis of what spectral lines named for a 19th-century German physicist?

Fraunhofer lines

13 Bank Note Interest

Find the simple interest on a bank note for \$800 for 270 days at 5% annually.

\$30

14 Modular Arithmetic

In mod 413, what is the product of 414 and 462?

49

15 Radicals

The square root of 27 multiplied by the square root of 3 equals what integer?

16 RPM

If an electric motor is running at 4,800 rpm, how many degrees does it rotate in one second?

28,800

17 Means

The weights of fish on one stringer were 13, 15, and 65 pounds while those on another stringer were 17, 25, and 9 pounds. What is the difference between the means of the stringers?

14

18 Complex Fractions

Simplify $(1/4)/(3/8)$.

2/3

19 Cosines

As an angle increases from zero to ninety degrees, what happens to the cosine of the angle?

cosine decreases

20 Sports Math

In what sport do participants often call out something equivalent to the following?

Cube root of 64!

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21 Hexadecimal Numeration

What hexadecimal number is equivalent to 13 in the decimal system?

22 Kayaking Calculations

Zeke and Zach have new kayaks. Already, Zeke has paddled 8 miles and Zach has paddled 1 mile. If they each paddle 1 mile daily, in how many days will Zeke have paddled twice as far as Zach?

23 Inequalities

What is the value of R if $-2R$ is less than -8 ?

24 Polygons

You have two identical regular pentagons such that one edge of each is adjacent to the other. What is the measure of the exterior angle next to the adjacent sides?

25 Deserts

What stretch of Arizona badlands is located between the Grand Canyon and the Petrified Forest?

26 Propagandists

While Hanoi Hannah, Axis Sally, and Tokyo Rose worked respectively in North Vietnam, Germany, and Japan, Pyongyang Sally worked in what country?

27 Empires

While an empress regnant is a woman who rules in her own right, an empress consort is ...

28 Abbreviations

In the military, for what does AWOL stand?

29 Sorcerers

Male witches may be called sorcerers or wizards, but more often, they are referred to as ...

30 U.S. Rivers

The Allegheny River flows through which two states?

D

North Korea

6

the wife of an emperor

R is greater than 4

absent without leave

144 degrees

warlocks

Painted Desert

New York, Pennsylvania

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31 Esoteric Societies

Along with other notable figures in American history, George Washington was a member of what fraternal organization?

Freemasonry (Masons)

32 Military Command

Unless a state's National Guard is federalized, what is the title of the official who serves as its commander-in-chief?

governor

33 Mideast Geography

Name the largest body of water adjacent to Israel.

Mediterranean Sea

34 International Relations

The American statesman who negotiated with Sir Charles Bagot to demilitarize the Great Lakes was Richard ...

Rush

35 Roadways

What principal road leading south from Rome was named for the censor, Appius Claudius Caecus?

Appian Way

36 Strikes

The Homestead lockout and strike of 1892 resulted from a dispute between the Amalgamated Association of Iron and Steel Workers and what steel company?

Carnegie Steel Company

37 Common Fates

How were all these people and literary characters killed?
Sir Thomas More, the Green Knight, Medusa,
Lady Jane Grey, John the Baptist, Anne Boleyn,
Marie Antoinette

beheaded (decapitated)

38 Conjunctions

What coordinating conjunction means "because"?

for

39 Homographs

What homograph can indicate either common tools of loggers or lines about which an object is symmetrical?

axes

40 Kinds of Characters

What is the literary name for the role that these characters play?

Cruella DeVil in "101 Dalmatians"
Ms. Barry in "Anne of Green Gables"
the childcatcher in "Chitty Chitty Bang Bang"
the witch in "Hansel and Gretel"
the warden in "Holes"

antagonist (villain)

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41 Archaic Participles

What is the present participle of the archaic verb in this example?

These five days have I hid me in these woods
and durst not peep out.

46 Adage Origins

What is the modern equivalent of this statement written by Geoffrey Chaucer?

It is not good a sleeping hound to wake.

dare

Let sleeping dogs lie.

42 Book Titles

What is the name for the second part of the titles in these works?

- The Shadow University: The Betrayal of Liberty on America's Campuses
- The Minuteman: Restoring an Army of the People
- Objectivism: The Philosophy of Ayn Rand

47 Grammatical Constructions

Identify the appositive in this example.

Last March, Ellen and I visited the home of Harriet Beecher Stowe, the author of "Uncle Tom's Cabin."

subtitles

the author of Uncle Tom's Cabin

43 Russian Literature

These lines are from what book by Alexander Solzhenitsyn?

- Here, men, we live by the law of the taiga.
- Apart from sleep, the only time a prisoner lives for himself is ten minutes in the morning at breakfast, five minutes over dinner, and five at supper.

48 Dickens

This is from what Charles Dickens novel?

"Peggotty!" repeated Miss Betsey, with some indignation. "Do you mean to say, child, that any human being has gone into a Christian church, and got herself named Peggotty?"

One Day in the Life of Ivan Denisovich

David Copperfield

44 Expressions

Complete this expression that means taking positive action, no matter how small, can help to dispel some worldly injustice or evil.

It is better to light one candle
than to curse the ...

49 Color

Value changes from pure hues are called tints and ...

darkness (dark)

shades

45 Arthurian Novels

In what novel by Mary Stewart do a dove, a falcon, a wolf, and a red dragon sequentially tell of Merlin's life?

50 Broadway Shows

The musical, "Once Upon a Mattress," is an adaptation of what fairy tale by Hans Christian Andersen?

The Crystal Cave

The Princess and the Pea

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51 Composers

Name the composer of a ballet, the title of which was inspired by this verse from a poem by Hart Crane.

O Appalachian Spring! I gained the ledge;
Steep, inaccessible smile that eastward bends
And northward reaches in that violet wedge
Of Adirondacks!

Aaron Copland

52 Songs

What is the collective name for these vocal pieces?

"Sempre libera" from "La Traviata"
"Habanera" from "Carmen"
"Summertime" from "Porgy and Bess"
"La donna è mobile" from "Rigoletto"

arias

53 Famed Artists

What art form is illustrated by the famous works of these men?

Constantin Brancusi
Frederic Bartholdi
Auguste Rodin
Donatello

sculpture

54 Title Sources

These titles were inspired by the works by what German philosopher?

-the orchestral work by Richard Strauss,
"Also Sprach Zarathustra"
-the play by George Bernard Shaw,
"Man and Superman"

Friedrich Nietzsche

55 Music Man Music

In the musical, "The Music Man," the songs "Lida Rose" and "Will I Ever Tell You" are sung separately and then together. This technique of combining two melodies is called ...

counterpoint

56 Musical Instruments

Wind-sounder instruments are aerophones.

Self-sounding instruments which are shaken or struck are ...

idiophones (percussion)

57 Musicals

What country is the setting for "The Sound of Music"?

Austria

58 Tunnels

In 2010, after 14 years of effort, engineers drilled through the last remaining rock to complete the world's longest tunnel. This 35-mile-long tunnel is through the mountains of what country?

Switzerland

59 Rescues

This is about a rescue that took place in 2010 in what country?

In a meticulously planned operation, they were monitored by video on the way up for any sign of panic. They had oxygen masks, dark glasses to protect their eyes from unfamiliar daylight and sweaters for the jarring climate change, subterranean swelter to the chillier air above.

Chile

60 Enumerations

In 2010, more than 6 million workers were hired to conduct a national census in what country, which by some estimates has a population currently exceeds 1.3 billion?

China

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Round # 2

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1 Botanical Synonyms

What is another name for either phytohormones or plant hormones?

auxins

2 Mollusks

What kind of marine gastropods have simple, uncoiled, conical shells?

limpets

3 Heavenly Leftovers

Comets and what rocky bodies are generally believed to be material left over from the formation of the solar system?

asteroids (planetoids)

4 The Shoulder

Name the group of muscles that work together to provide the shoulder joint with dynamic stability and help control the joint during rotation.

rotator cuff

5 Geologic Time

The name of which period of geologic time comes from the Latin word for Wales?

Cambrian Period

6 Metals

Lodestone largely consists of what metallic element?

iron

7 Storms

Likened to an enormous hurricane that has gone on for at least the last 300 years, name the huge storm on Jupiter.

Great Red Spot

8 Batteries

For how many hours will a 20 amp-hour battery provide one amp of current until it is fully discharged?

20

9 Plate Tectonics

Which of the world's great plates is bordered by the Arabian, the Indo-Australian, the Eurasian, the Anatolian, and the Antarctic plates?

African plate

10 Meteor Showers

The Perseid meteor shower peaks annually on August 12th. What other spectacular meteor shower peaks around November 17th?

Leonids

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11 Bones

The humerus joins with what bone at the shoulder joint?

scapula

12 Physical Properties

You have an unknown glob of material and find that no matter how much you squeeze it or stretch it or compress it, it returns to its original shape. This illustrates what physical property?

elasticity

13 Logical Statements

Translate this statement into an "All ..." form useful in deductive logic.

If it is a dingo, then it has hair.

All dingos have hair.

14 Pyramids

A pyramid has a base with x sides. What is the total number of faces on this pyramid?

$x+1$

15 Rectangles

The length of a rectangular lot is 5 meters less than twice its width. If the lot's perimeter is 230 meters, determine its length and width.

75 long, 40 wide

16 Volume

How many cubic inches are in thirteen cubic feet?

22,464

17 Boolean Math

In Boolean math, when $A = 1$ and $B = 0$, what is the result of A or B ?

1 (or true)

18 Areas

A box is 20 inches long and 5 inches high. What is the total area of its sides?

400 square inches

19 Cubes

You have a $3 \times 3 \times 3$ cube made from 27 smaller cubes. If you paint the outside of the big cube and then disassemble it, how many of the small cubes will have exactly two painted faces?

12

20 Probability

In a standard deck, what is the probability of drawing a black diamond?

zero

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21 Probability

What is the probability of a sure event?

100% (or 1)

22 Angles

What kind of angles are congruent and opposite each another at the intersection of two straight lines?

vertical angles

23 Diagonals

How many diagonals can be drawn in the polygon whose shape is like that of the building housing the U.S. Department of Defense?

24 Noah's Ark

How many cubic cubits were there in Noah's ark if it measured 50 x 30 x 300 cubits?

450,000

25 Archaeology

What metal is suggested by the phrase, Chalcolithic period, during which people began to use simple metal tools?

copper

26 The Reformation

What religious reformer who had been banished from Paris established a theocratic government in Geneva?

John Calvin

27 Landmarks

The Sergeant Floyd Monument in Iowa memorializes the only member to die, in 1804, during what expedition from the Mississippi River to the mouth of the Columbia River?

Lewis and Clark

28 Arrests

These men were members of what organization when they were detained while attending the Apalachin Summit of 1957?

Joseph "Joe the Barber" Barbara, Carlo Gambino, Big Mike Miranda, Vito Genovese, Frank "The Cheeseman" Cucchiara

Mafia

29 Queens

In 1474, Isabella succeeded to the throne of what kingdom of northern Spain?

Castile

30 Systems of Government

While in the presidential system of government, the chief executive cannot be a sitting member of Congress, in what system of government is the prime minister always a member of the legislature?

parliamentary system

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31 Discouraging Words

In the 19th century, the vast plains region of North America, east of the Rockies, was known as the Great American ...

Desert

32 Assassinations

The assassin of what president is central to the novel entitled "The Anarchist," a film by Thomas Edison about execution by electrocution, and a song entitled "The Ballad of Czolgosz"?

William McKinley

33 Ancient Cities

Aleppo, one of the oldest inhabited cities in the world, is about halfway between the Mediterranean coast and the upper reaches of what major river?

Euphrates

34 Industrial Firsts

In 1859, an enormous industry based on what natural resource began with the work of Edwin Drake in Titusville, Pennsylvania?

petroleum (oil)

35 Prohibition Era

In the 1920s, ringing bells, sliding door panels, secret signatures, and passwords like "Joe sent me" were used to gain admission to places that illegally sold alcohol. These establishments were called ...

speakeasies

36 Investigative Journalism

For an undercover assignment in 1887, what female reporter easily faked her way into a lunatic asylum, was given broth made of spoiled meat and dried dough for bread, forced to sit on a bench for 14 hours a day, not allowed to talk or read, and bathed in frigid water?

Nellie Bly (Elizabeth Cochrane)

37 Expletives

What is the first expletive in Edgar Allan Poe's "Annabel Lee"?

it

38 Pronouns

What reflexive first-person pronoun is missing in this?

As for ----, now that I've won the lottery,
I think I'll just keep on farming until it's
all gone.

myself

39 Mysteries

In what Agatha Christie novel do ten people who are dinner guests of the mysterious U.N. Owen hear a voice accuse each of them of murder?

And Then There Were None

40 Aviation Alphabetics

Using the International Civil Aviation Organization alphabet, spell the word "rat."

Romeo Alpha Tango

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41 Complements

What is the subject complement in this?
The relatively young volcano
is not yet fully formed.

formed

42 Poems

This is the last verse of what Longfellow poem?
Thanks, thanks to thee, my worthy friend,
For the lesson thou hast taught!
Thus at the flaming forge of life
Our fortunes must be wrought;
Thus on its sounding anvil shaped
Each burning deed and thought.

The Village Blacksmith

43 Fictional Dialogue

This dialogue is found in what 21st-century novel?
Sophie moved closer to the "The Last Supper"
painting. The woman to Jesus' right was
young and pious-looking, with a demure face,
beautiful red hair, and hands folded quietly.
"Who is she?" Sophie asked. "That, my dear,"
Teabing replied, "is Mary Magdalene."

The Da Vinci Code

44 Verb Forms

What form of a present tense verb is used in this lyric?
Daisy, Daisy, give me your answer do.

emphatic form

45 Allusions in Titles

These all allude to a poem by what Englishman?
-the "X-Files" episode, "Fearful Symmetry"
-the vampire novel, "The Forests of the Night"
-the Steinbeck novel, "Burning Bright"
-the "Jungle Book" story, "Tiger! Tiger!"

William Blake

46 Faulty Reasoning

What alliterative phrase describing a precarious situation
is illustrated in these examples?
-We can't let them ban pornography because
soon they'll be banning all kinds of literature.
-We can't send advisers to Uganda or we'll end
up with thousands of American dying there.
-If we don't ban medical marijuana now,
in no time we'll have stores in every town
selling medicinal heroin and cocaine.

slippery slope

47 Settings

What future state is the setting for Laura Ingalls Wilder's
fifth "Little House" book entitled "By the Shores of
Silver Lake"?

South Dakota

48 Clauses

Restate this sentence using an elliptical clause.
What will happen if she misses the deadline?

What if she misses the deadline?

49 Paintings

Diego Rivera, David Siqueiros, and Jose Orozco created
what kind of paintings on the walls of many great
Mexican buildings?

murals

50 Musicals

Captain Georg von Trapp and his family are central to
what musical?

The Sound of Music

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51 Edifices

It still stands because its center of gravity is within its walls. Name this campanile used by Galileo for his experiments with gravitation.

Leaning Tower of Pisa

52 Native American Art

This describes what art form?

They are cylindrical sculptures of stacked animal and human figures which are frontally erect, bilaterally symmetrical, and shaped in relief within the overall pillar form.

totem poles

53 Paintings

Wide landscape pictures created to convey the sweep and grandeur of a natural setting are ...

panoramas

54 Images

Before photography, anybody wanting his image preserved had to depend on an artist to create a likeness. A painting of this type is called a ...

portrait

55 Famous Sculptures

A famous Greek sculpture depicts what Trojan priest and his two sons being killed by sea serpents?

Laocoon

56 The Company

What ballet company was organized in 1770s, survived the Revolution of 1917, two world wars, and the dissolution of the Soviet Union in 1991?

Bolshoi

57 Architecture

Jeffersonian architecture was born in the region that became what state?

Virginia

58 Devastation upon Devastation

Months after the devastating earthquake struck Haiti in 2010, hundreds more were killed there by an outbreak of what acute infectious disease of the small intestine?

cholera

59 Geographic Changes

In 2010, what single autonomous Caribbean country within the Kingdom of the Netherlands was dissolved?

Netherlands Antilles

60 Freedom at Last

In 2010, after some 15 years of house arrest, Aung San Suu Kyi was released by officials of what country?

Burma

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1 Ways of Thinking about Things

The abandonment of the geocentric theory and acceptance of the heliocentric theory represented what kind of major intellectual shift?

paradigm shift

2 Life Diversity

Alkaliphiles, osmophiles, halophiles, and hyperthermophiles, are among the life forms that thrive in environments that are hostile to most life forms. Collectively, they are known as ...

extremophiles

3 Landforms

Reminiscent of a certain barnyard animal, steep, sharp, even-crested ridges formed by the erosion of highly tilted strata are called ...

hogbacks

4 Temperature Conversions

A room temperature of 70 degrees Fahrenheit is equal to how many degrees Celsius?

21

5 Vertebrae

What division of the vertebral column is between the lumbar and cervical regions?

thoracic

6 Extinct Marine Invertebrates

Ancient ammonites are classified in what phylum?

Mollusca (mollusk)

7 Geology

The phrase, "younger over older," relates to what geologic principle developed by Nicholas Steno?

(law of) superposition

8 Stellar Magnitude

If the Sun has an absolute magnitude of +5 and the blue star Lacertae has an absolute magnitude of -10, how many times brighter is Lacertae?

1 million

9 Light Transmission

The opposite of opaque is ...

transparent

10 Colloids

Name the type of colloid in which tiny globules of one liquid are dispersed and suspended but not dissolved in another.

emulsion

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11 Levers

What class of lever has the fulcrum, effort, and load in that order?

third class

12 Fiber Optics

In a fiber optics system, light being transmitted remains within a fiber thanks to a phenomenon called total internal

...

reflection

13 Ellipses

What is the eccentricity of an ellipse if the distance from the center to either focus is 4 and the distance from the center to either vertex is 5?

.8

14 Squaring

Square the quantity $(x-y)$.

$x^2 - 2xy + y^2$

15 Population Problems

Today, there are 4 people comprising the entire population of Podunk. But, if the population doubles every 10 years, in 60 years, how many people will comprise the populace then?

256

16 Prism Volume

A symmetrical trapezoidal prism has bases of 2 meters and 3 meters and an altitude of 2 meters. If its volume is 60 cubic meters, what is its length?

12 meters

17 Trapezoids

What kind of trapezoid has base angles that are congruent?

isosceles trapezoid

18 Mercurian Time

Since a single day on Mercury is equal to 59 Earth days and since it takes 88 Earth days for Mercury to revolve around the Sun, to the nearest tenth, how many Mercurian days are there in one Mercurian year?

1.5

19 Dense Populations

In Monaco, there are some 33,000 residents living on .75 square mile. To the nearest thousand, the population density there is how many people per square mile?

44,000

20 Trigonometry

On an alphabetical list, which trigonometric ratio is first?

cosine

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21 Absolute Value

What are the two values of P if the absolute value of P divided by 5 = 3?

26 African Regions

The Maghreb, the middle and western coastal regions of North Africa, was also known as what coast?

15, -15

Barbary Coast

22 Equations

When $y=4$, what is x in $4x + y = 32$?

27 Antipodes

Part of what U.S. state is antipodal to the Okavango Delta in Botswana?

7

Hawaii

23 Angles

Add the complement of a 3 degree angle to the supplement of an angle that measures 89 degrees.

28 Nation Etymology

The name for what South American country is derived from the Latin word for silver, "argentum"?

178

Argentina

24 Parking Problems

The parking lot in a mall has parking places for 2000 cars. If there are 300 compact cars and some standard-size cars in the lot and the lot is $\frac{3}{5}$ full, how many standard-size cars are parked there?

29 Moon Missions

Two major setbacks to the Apollo Project occurred with the tragic fire on Apollo 1 that killed three astronauts and with which other Apollo mission in which an oxygen tank ruptured?

900

Apollo 13

25 Shared Names

What name is shared by a state of Germany and the author of "Siddhartha" and "Steppenwolf"?

30 Straits

The Strait of Magellan is at the tip of what continent?

Hesse

South America

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31 Treaties

What two countries did Theodore Roosevelt bring together to negotiate the Treaty of Portsmouth?

Japan, Russia

32 Wars

This excerpt describes the destruction of a city during what war?

Most of Guernica's streets began or ended at the Plaza. It was impossible to go down many of them, because they were walls of flame. I moved round the back of the Plaza among survivors. They had the same story to tell: airplanes, bullets, bombs, fire.

Spanish Civil War

33 Deserts

What country in southwest Africa is named for a desert stretching from the Atlantic coast up to 100 miles inland?

Namibia

34 Roman Generals

What Roman leader whose forces were defeated at the Battle of Actium is remembered for his funeral oration for Julius Caesar?

Mark Antony

35 Europe

What country at the southern end of the Balkans consists of a large mainland area and some 3,000 islands?

Greece

36 The Earps

Who was the only one of the six Earp brothers not to live into the 20th century?

Morgan Earp

37 Heteronyms

Spell the heteronym that, depending on its pronunciation, can mean either "a burnt aromatic substance" or "to infuriate."

incense

38 Onomatopoeia

Name any onomatopoeic word that begins with the letter "m".

moo, meow, mumble, murmur (etc.)

39 Blended Words

The term "moped" is a blend of what two words?

motor, pedal

40 Parts of Speech

How many adjectives are in this line by Adolf Hitler?
The broad masses of a population are more amenable to the appeal of rhetoric than to any other force.

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41 Mood

What grammatical mood is illustrated in this?
Take me to your leader.

imperative

42 Martian Place Names

What canal on Mars was named after the Roman mythological dog that guards the gate of Hades?

Cerberus

43 Equestrian Stories

In the novel, "National Velvet," how does Velvet acquire her first horse?

44 Debate Tactics

What phrase indicates the kind of fallacy apparent when an advocate deliberately introduces an irrelevant topic into a debate to divert attention away from the topic under consideration?

in a raffle

45 Poetic Beginnings

This is the beginning of what nonsense poem by Lewis Carroll?

The sun was shining on the sea,
Shining with all his might:
He did his very best to make
The billows smooth and bright --
And this was odd, because it was
The middle of the night.

The Walrus and the Carpenter

46 Epics

Written in ancient Sumer, who is the central character of the world's first epic?

Gilgamesh

47 Expressions

Someone who routinely stay up late into the night is referred to as what kind of bird?

night owl

48 Competition Tales

These lines are from what story?

They told Mrs. Olinski that they were The Souls long before they were a team, but she told them that they were a team as soon as they became The Souls. Then, after a while, teacher and team agreed that they were arguing chicken-or-egg.

The View from Saturday

49 Classic Buildings

The Parthenon is in what country?

Greece

50 Sculpture

Michelangelo, Bernini, and Donatello created renowned sculptures of what young man who became king of Israel?

David

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51 Borrowed Words

What word borrowed from the French language means to turn or spin on one foot only?

pirouette

52 Forms of Painting

Name the type of painting executed on wet plaster with pigments suspended in water so that the plaster absorbs the colors and the painting becomes part of the wall.

fresco

53 19th-Century Songs

The song, "Follow the Drinking Gourd" is associated with what railroad?

Underground Railroad

54 Arches

What architectural form is a multitude of arches so arranged that all the bases rest on a circle and the tops all cross at a common point?

dome

55 Productive Periods

What period in European history produced Edmund Spenser the poet, Lorenzo Ghiberti the sculptor, Nicolaus Copernicus the astronomer, and Miguel Cervantes the novelist?

Renaissance

56 Virtuosos

These people were all virtuosos on what instrument?
Sergei Rachmaninoff, Joseph Hoffman,
Vladimir Horowitz, Franz Liszt, Frederic Chopin

piano

57 Beastly Songs

This is a verse from what song about a gathering of birds and beasts?

Said a flea to a fly in a flue
Said the flea "Oh, what shall we do?"
Said the fly, "Let us flee!"; said the flea,
"Let us fly!"
So they flew through a flaw in the flue

Animal Fair

58 Environmental Disasters

In 2010, much the red toxic sludge that poured through a broken dam in Hungary ran into what river described as Europe's second largest?

Danube

59 Tragedies

In a tragic shooting spree in early 2011, twenty people were shot in a supermarket parking lot, including a judge and a Congresswoman from what state?

Arizona

60 International Incidents

In 2010, international tensions were raised when what country shelled the island of Yeonpyeong?

North Korea

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Round # 4

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1 Toxins

What insects inject apitoxins?

bees

2 Catastrophes

At the end of the Ordovician Period, 65% of all species disappeared. In the late Devonian Period, 72% of all species disappeared. At the end of the Permian Period, 90% of all species disappeared. These events are known as ...

mass extinctions

3 Unusual Races

In Africa, what kind of birds are saddled, bridled, and run in races?

ostriches

4 Submerged Islands

Name the vast seamounts extending in a northwesterly direction from the Hawaiian Islands.

Emperor Seamounts

5 Vonnegut

In "Cat's Cradle," anyone caught practicing what "ism" on San Lorenzo is put to death?

Bokononism

6 Radio

There are two types of commercial radio stations, based on the form of modulation that is used. The waves produced by which type can travel much farther since they bounce off the ionosphere?

AM (amplitude modulation)

7 Magma

How does the density of magma usually compare with that of the rock surrounding it?

It is less dense.

8 Resistance

The filaments in a light bulb have a high resistance, which causes the electrical energy passing through them to be converted to light and what kind of energy?

thermal (heat)

9 Galaxies

What kind of galaxy extends its "arms" from a central region as it spins on its axis?

spiral galaxy

10 Bygone Reptiles

Name either group of giant extinct, ocean-dwelling reptiles of the Mesozoic Era.

ichthyosaurs, plesiosaurs

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Round # 4

2011

11 The Skull

The part of the skull without the mandible is called the ...

cranium (skull)

12 Thunderstorms

What name for a large-scale electrical discharge seen high above a thunderstorm is also that of a type of supernatural being illustrated by Shakespeare's character, Puck?

sprite

13 Radians

.4 pi radians equal how many degrees?

14 Rocket Math

The first stage of a rocket burns 32 seconds longer than the second stage. If the total burning time for both stages is 164 seconds, how long does the first stage burn?

72

98 seconds

15 Exponential Equations

What is the value of H in this equation?
 H to the $1/2$ power - $6(H$ to the $-1/2$ power) equals 5.

16 Points

What is the locus of points whose distance from two fixed points adds up to a constant?

ellipse

17 Quadratics

What are the possible values of B in this equation?
 $-2(B \text{ squared}) = -162$

9, -9

18 Number Problems

What two-digit integer that is evenly divisible by 3 and 5 has a remainder of 4 when divided by 7?

19 Coin Combos

If you have \$4.05 in dimes and quarters consisting of five more quarters than dimes, how many quarters do you have?

60

20 Primes

What is the sum of the prime numbers greater than 10 and less than 20?

13

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Round # 4

2011

21 Primes

What is the sum of the next two prime numbers smaller than 52?

26 Manning the Military

What modern practice for building military forces was introduced during the French Revolution through an act passed in 1798 which stated that "Any Frenchman is a soldier and owes himself to the defense of the nation"?

22 Long Binary Addition

What is the sum of the binary numerals 10011, 1110, 1011, and 110?

90

conscription (the draft)

27 Settings

In what country are these books set?

- Homage to Catalonia
- South from Granada
- The Sun Also Rises
- Tales of the Alhambra

23 Bike Rally Math

Although there are 804 motorcycles at a rally in Fergus Falls, just 201 of them have fancy license plate holders. What percentage of the bikes do not have fancy license plate holders?

110010

Spain

28 Democracy

What kind of democracy is illustrated when the members of a club vote to choose a new club president?

24 Curved Surfaces

That segment of a great circle that defines the shortest distance between two points on a globe is called a ...

75%

direct democracy

29 Mottoes

"Relevant, Ready, Responsible, Reliable" is the motto of the USACE, a branch of the U.S. Army that consists mostly of civilians overseen by military personnel. For what does this abbreviation stand?

25 Boundaries

What line marking the southern border of Pennsylvania and surveyed in the 1760s has, since the Missouri Compromise, come to symbolize a cultural boundary between the northern and southern United States?

geodesic

U.S. Army Corps of Engineers

30 19th-Century Volcanic Disasters

Name either of the volcanoes that have caused the greatest number of deaths in Indonesia.

Mason-Dixon Line

Krakatoa, Mt. Tambora

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2011

31 Doleful Remarks

Haile Selassie was addressing what international organization when he said this in 1936?
It is us today. It will be you tomorrow.

36 Gorges

Located between Serbia and Romania, the Iron Gate is a gorge on what river?

League of Nations

Danube

32 Endangered Parks

What national park, home of historic Fort Jefferson and famed site of sea turtle nesting, was threatened by the 2010 oil spill in the Gulf of Mexico?

37 Clauses

What is the relative clause in this?
The times that tried men's souls are over.

Dry Tortugas National Park

that tried men's souls

33 Landmarks

These are historic landmarks in what state?
Old United States Mint, Pony Express Terminal,
Hale Solar Observatory, San Simeon, Donner
Camp

38 Writing

What literary technique is illustrated by these examples?
-Wise men talk because they have something
to say; fools, because they have to say
something.
-Some people go to priests; others to poetry;
I to my friends.
-Prosperity is a great teacher;
adversity a greater.

California

ellipsis

34 Medieval Safe Havens

In medieval times, fugitives sometimes fled to a church to claim sanctuary where a bishop or abbot had the right to grant a form of protection called ...

39 Looking Glass Grammar

What part of speech are the words in this quote that are not nouns or conjunctions?
Jam tomorrow and jam yesterday but
never jam today.

asylum

adverbs

35 Latin America

The two South American countries that have no border with Brazil are Chile and ...

40 Novellas

"The Little Prince" begins with a pilot working to repair his downed airplane in what desert?

Ecuador

Sahara Desert

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41 Reasoning

This statement illustrates what fallacy?
Paranormal phenomena exist because
I have had experiences that can only
be described as paranormal.

46 Allomorphs

What letter illustrates the concept of an allomorph in the words "hogs" and "hips"?

begging the question

s

42 Linguistics

From what ancient language did Hindi, Urdu, Punjabi, and Bengali develop?

47 Wordplay

These lines illustrate what form of wordplay?

- sealing the hick
- damp stealer
- larking pot
- trout scoop
- ready as a stock
- chipping the TV flannels

Sanskrit

spoonerisms

43 Double Negatives

The faulty sentence, "I couldn't never find her," can be corrected either by saying, "I couldn't ever find her" or by saying ...

48 Ancient Literature

This describes what character in a work by the Roman poet, Virgil?

I sing of arms and the man who first from the shores of Troy came destined an exile to Italy, much buffeted he on land and on the deep by force of the gods because of fierce Juno's never-forgetting anger.

I could never find her.

Aeneas

44 Fantasy Characters

What Hobbit, originally known as Smeagol, was given another more enduring name based on his habit of making "a horrible swallowing noise in his throat"?

49 Musical Antonyms

What is the antonym for "crescendo"?

Gollum

decrescendo (diminuendo)

45 Fictional Heroes

Based on his homeland, Conan the Barbarian is also known as Conan the ...

50 Sculptures

In Poe's "The Raven," what kind of sculpture depicting the head of Pallas is just above the chamber door?

Cimmerian

bust

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51 Musicals

These lines are from what musical?
And oh, what happened then was rich.
The house began to pitch.
The kitchen took a slitch.
It landed on the Wicked Witch
in the middle of a ditch.

The Wizard of Oz

52 Renaissance Philosophy

According to the Renaissance scholar, Erasmus, "In the country of the blind, the one-eyed man is ..."

53 Marches

Identify John Philip Sousa's first hit march that was named after a combatant who fought to the death in ancient Roman festivals.

king

The Gladiator

54 Traditional Arts

These are among the traditional arts of what country?
ikebana
origami
bonsai

Japan

55 Patron Saints

Joan of Arc is a patron saint of what country?

France

56 Operas

What woman dies in the opera that features the "Toreador Song"?

Carmen

57 Big Sculptures

The world's largest relief sculpture depicting a scene of Confederate Civil War leaders on horseback is on what mountain in Georgia?

Stone Mountain

58 Little Big Bangs

In 2010, in what facility on the Franco-Swiss border with a 27-kilometer-long tunnel were scientists able to create temperatures a million times hotter than the center of the Sun, essentially a "mini big bang"?

Large Hadron Collider

59 Technology

What company known mostly for its internet search engine said this in 2010?

Our automated cars have driven down Lombard Street, crossed the Golden Gate Bridge, navigated the Pacific Coast Highway, and all the way around Lake Tahoe. All in all, our self-driving cars have logged over 140,000 miles.

Google

60 Basilicas

Begun in 1882, what Roman Catholic church in Barcelona, Spain, was proclaimed by Pope Benedict XVI in 2010 as a minor basilica?

Sagrada Familia

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Round # 5

2011

1 Clouds

The name for what kind of clouds comes from Latin words that mean "broken up heaps"?

fractocumulus

2 Mechanics

A compound machine consists of what?

2 (or more) simple machines

3 Scientific Homonyms

What term may indicate either an ionized gas that is the fourth state of matter or the yellowish fluid in which blood cells are suspended?

plasma

4 Arachnids

Gossamer is another name for what substance produced by many arachnids?

silk

5 Poetry from Afar

This verse illustrates the poetry of what alien race?
Oh freddled gruntbuggly/ty micturations are
to me/As plurdled gabbleblotchits on a lurgid
bee. / Groop I implore thee, my foonting
turlingdromes. / And hooptiously drangle me
with crinkly bindlewurdles, / Or I will rend thee
in the gobberwarts with my blurglecruncheon,
see if I don't!

Vogon

6 Storms

The strongest winds occur in what part of a hurricane?

eye wall

7 Metals

Name two of the three metals with densities less than that of water.

lithium, sodium, potassium

8 Cranial Nerves

The oculomotor nerve controls most movements of what organ?

eye

9 Anatomy

The GI tract is another name for what body system?

digestive system

10 Nerves

What cranial neuron carries signals from the inner ear to the brain?

cochlear (auditory, acoustic)

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Round # 5

2011

11 Illusions

In contrast to hallucinations, what kind of optical illusions produced by light refraction can be photographed?

mirages

12 Igneous Rock Categories

Light-colored, lighter-weight igneous rocks rich in silicon, aluminum, sodium, and potassium are felsic, while dark, heavier igneous rocks rich in magnesium, iron, and calcium are ...

mafic

13 Loci

How many points are in a plane two units from a certain line and three units from a point on that line?

4

14 Venn Diagrams

In a Venn diagram, you see a small oval labeled "Moogoos" inside a larger oval labeled "mutants." Express this diagram in words.

All Moogoos are mutants.

15 Cartesian Coordinates

In which quadrant is this point located?
(-4,-8)

quadrant III

16 Hound Ratios

The ratio of fleas to mites on Old Yeller is 3 to 2 and the ratio of mites to ticks is 3 to 4. What is the ratio of fleas to ticks?

9 to 8

17 Triangles

What is the maximum number of obtuse angles that may be in a triangle?

1

18 Quadratics

What is the solution set of the following?
 $28 - x^2 = 3x$

-7, 4

19 Binary Thieves

In binary notation, how many thieves are in the story of Ali Baba?

101000

20 Statistics

What is the statistical range of the number of pages in six books containing 72, 142, 192, 204, 312, and 344 pages?

272

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Round # 5

2011

21 Combinations

How many combinations are there of ten letters taken five at a time?

26 Lewis and Clark

Meriwether Lewis wrote of whom in this excerpt?
We were also fortunate enough to engage in our service a Canadian Frenchman, who had been with the Cheyenne Indians in the Black mountains, and last summer descended thence by the Little Missouri.

22 Algebraic Proportions

Solve this equation for S.
 $7/9 = S/(S-10)$

252

Toussaint Charbonneau

27 Brotherhoods

What secret brotherhood of the 19th century was dedicated to establishing an independent Irish republic?

23 Arc Angles

Two chords intersect somewhere inside a circle. If the opposite intercepted arcs are 70 and 170 degrees, what angle is formed inside the two chords?

-35

Fenians (Fenian Brotherhood)

28 Africa

What is the largest country along the Atlas Mountains?

24 Investment Calculation

To the nearest whole dollar, how much must you invest at the beginning of the year, at 5% simple interest, to have a total of \$5000 at the end of the year?

120 degrees

Algeria

29 European Regions

What historic region occupies northeastern Greece, southern Bulgaria, and all of the European part of Turkey?

25 A Tyrant's Demise

In Swiss legend, what kind of projectile ended the life of Hermann Gessler?

\$4762

Thrace

30 Espionage

Great Britain's espionage activities are controlled by the SIS, which stands for ...

arrow

Secret Intelligence Service

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Round # 5

2011

31 Mediterranean Civilizations

What ancient civilization was named for the legendary king of Crete?

Minoan

32 Colonial Organizations

Many members of the secret Sons of Liberty organizations were also members of the colonial committees of ...

correspondence

33 Tennessee History

Nashville, Tennessee, nicknamed the Athens of the South, financed construction of an exact replica of what ancient architectural masterpiece that still stands on the Acropolis?

Parthenon

34 Mideast Archaeology

Carved into cliffs of red sandstone, what archaeological site in Jordan, chosen as one of the New Seven Wonders of the World in 2007, was named after the Greek word for "rock"?

Petra

35 Mountain Men

Although a few were held in Idaho and Utah, most of the rendezvous of the trappers and mountain men took place at various sites in what present-day state?

Wyoming

36 Judicial Officials

In Scotland, the Lord President of the Court of Session is equivalent to what position on the U.S. Supreme Court?

Chief Justice

37 Short Stories

What Nathaniel Hawthorne tale begins with this?

One September night, a family had gathered round their hearth, and piled it high with the driftwood of mountain streams, the dry cones of the pine, and the splintered ruins of great trees that had come crashing down the precipice.

The Ambitious Guest

38 Novels

Who is the central character in the American novel from which this passage was taken?

The cars zoomed by, the brakes screeched all over the place, his parents paid no attention to him, and he kept on walking next to the kerb and singing "If a body catch a body coming through the rye." It made me feel better. It made me feel not so depressed anymore.

Holden Caulfield

39 Twain

What story by Mark Twain begins in 16th-century England with the births of Edward Tudor and Tom Canty?

The Prince and the Pauper

40 Propaganda

What propaganda technique is used by a campaign advertisement showing a candidate mowing his lawn or having a burger at a fast-food joint or spending some time on an assembly line?

plain folks

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Round # 5

2011

41 Literary Techniques

What literary technique is illustrated in these examples?

-Extremism in defense of liberty is no vice,
and moderation in the pursuit of justice is
no virtue.

-Integrity without knowledge is weak and
useless, and knowledge without integrity is
dangerous and dreadful.

antithesis

42 Travel Stories

What work by Mark Twain is about two men's journey
through Germany, the Alps, and Italy?

A Tramp Abroad

43 TV Allusions

The episode of "Supernatural" entitled "Abandon All
Hope" refers to an epic poem by what Italian?

Dante (Dante Alighieri)

44 Stories

Featuring a city named Vulgaria and characters that
include Caractacus Potts, Truly Scrumptious, and Baron
Bomburst, what story by Ian Fleming is about an
extraordinary car?

Chitty Chitty Bang Bang

45 Wartime Nonfiction

Two nonfictional works that tell of state political crimes
during World War II through the eyes of adolescent
Jewish girls are Anne Frank's "The Diary of a Young
Girl" and what work about the Russians moving Esther
Rudomin and her family to work camps in Siberia?

The Endless Steppe

46 Fictional Characters

What central character created by Ayn Rand was in the
same general profession as the ancient mythical Greek
known as Daedalus?

Howard Roark

47 Drama

This dialog from "The Glass Menagerie" is about what
imaginary creature?

Jim: Aw, aw, aw. Is it broken?

Laura: Now it is just like all the other horses.

Jim: It's lost its —

Laura: Horn! It doesn't matter. I'll just
imagine he had an operation. The horn was
removed to make him feel less — freakish!

unicorn

48 Trilogies

The three works in the Harper Hall Trilogy by Anne
McCaffrey include "Dragonsong," "Dragonsinger," and
...

Dragondrums

49 Dance

What music hall dance is performed by a chorus line
wearing long skirts and kicking high?

cancan

50 Statues

Name either of the objects in the hands of the blindfolded
statue called "Lady Justice."

sword, scales

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Round # 5

2011

51 Musical Genres

These songs illustrate what style of music that evolved in the American South?

Born Under a Bad Sign

I'm Tore Down

Nobody Knows You When You're Down and Out

Five Long Years

Black Snake Moan

The Sky is Crying

blues

52 Dealing with Distress

According to Cervantes in this quote, he who does what frightens away his ills?

Quien canta, sus males espanta.

sings

53 Art Forms

The name for what primitive art form is derived from the Greek words "glyphein" meaning to carve and "petros" meaning stone?

petroglyph

54 Painters

What Dutchman painted this work?

Self-portrait with Bandaged Ear

Vincent Van Gogh

55 Music Mechanics

On a piano keyboard, any two notes played together, skipping three diatonic notes in between, is a ...

fifth

56 Composers

Camille Saint-Saens composed what opera about a powerful Israelite warrior and the mistress who betrayed him to the Philistines?

Samson and Delilah

57 Operas

In what opera is a nasty witch turned into gingerbread after being pushed into an oven?

Hansel and Gretel

58 Spacecraft

This article from late 2010 is about what spacecraft?

Now 17.4 billion kilometers from home, the veteran probe has detected a distinct change in the flow of particles that surround it, meaning that it must be very close to making the jump to interstellar space 33 years after its launch.

Voyager (Voyager I)

59 Protests

In the face of widespread protests in 2010, the senate of European country raised its retirement age from 60 to 62?

France

60 Auctions

A 2010 auction brought a record price for the sale of a printed book. An original copy of "Birds of America" was sold for the equivalent of about \$11.5 million. Who was the book's author?

John James Audubon

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Round # 6

2011

1 Golf Physics

In order for the Magnus effect to provide additional lift to a golf ball, the ball must have what kind of spin?

backspin

2 Protists

The characteristic shape of what common freshwater ciliated protist is described as "slipper-like"?

paramecium

3 Plate Tectonics

The western edge of the African plate forms what kind of boundary with the North and South American plates?

divergent (spreading)

4 Measurement Technology

A thermometer using a sealed liquid in a narrow glass tube depends mainly on what form of heat transfer?

conduction

5 Jovian Planets

Name the two largest gas giants in the solar system.

Jupiter, Saturn

6 Reptilian Names

What term for certain reptiles is an anglicized version of the Spanish phrase, "el lagarto," which means "lizard"?

alligator

7 Brain Functions

What part of the brain controls thirst, hunger, and body temperature?

hypothalamus

8 Forces

What force is opposed by buoyant force?

gravitational force

9 Coastal Landforms

Areas of relatively flat, low land adjacent to a coast such as those found along the northern part of the Gulf of Mexico are called coastal ...

plains

10 Mirages

The main physical cause of a mirage is not reflection but a bending of light waves called ...

refraction

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Round # 6

2011

11 Insects

Ants use what structures to detect air currents, chemicals, and vibrations?

antennae (feelers)

12 Climates

Name the climate that predominates on the island of Majorca.

Mediterranean

13 Trigonometry

On an alphabetical list, which trigonometric ratio is last?

tangent

14 Binary History

Express as a binary number the number of Wonders of the Ancient World.

111

15 Trails

If there are three trails from Camp A to Camp B, two trails from Camp B to Camp C, and five trails from Camp C to Camp D, there are how many different routes from Camp A to Camp D?

30

16 Fraction Addition

What is the sum of $3/a$ and $2/b$?

$(3a + 2b)/ab$

17 Cubes

What is the difference between the cube of 9 and the cube of 8?

217

18 Angles

What letter of the alphabet best illustrates the concept of vertical angles?

X

19 Venn Diagrams

In a group of 320 octogenarians, 85 play bocce ball, 200 play canasta, and 60 participate in both activities. How many are involved in either bocce or canasta?

225

20 Inequality Word Problems

If the sum of two consecutive integers is less than 65, what pair of integers has the greatest sum?

32 and 33

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Round # 6

2011

21 Huge Denominations

If it were ever produced, a one quadrillion dollar bill would have a "1" followed by how many zeroes?

22 Radicals

Simplify the square root of 75.

23 Modular Arithmetic

For clock arithmetic, the modulus is ...

24 Distance Problems

Along a straight road from Mooselvania to Boristown you drive through Natashaville and Peabody. The distance from Mooselvania to Boristown is 85 miles. From Mooselvania to Peabody is 20 miles, and from Mooselvania to Natashaville is 48 miles. How far is it from Natashaville to Boristown?

25 Colonists

What member of the Society of Friends founded an American colony in 1681?

26 People Real and Imaginary

What surname is shared by Alexander Graham Bell's assistant who received the first phone call and Sherlock Holmes' close associate?

27 American Government History

The Philadelphia Convention of 1787 was a direct result of what convention held in Maryland in 1786 whose name is related to the future site of the American Naval Academy?

28 Questionable Verdicts

In 1927, Edna St. Vincent Millay, three quarters of the Harvard Law School graduating class, Felix Frankfurter, Heywood Broun, John Dos Passos, Albert Einstein, H.G. Wells, and Jane Addams were among the many people who believed that the murder convictions of what two Italian anarchists were unjust?

29 Government

Which branch of government generally has the formal power to interpret statutes?

30 Ancient Rome

During the Roman Republic, the letters SPQR were engraved on public buildings, armor, and coins. What did the S stand for?

15

Watson

5(square root of 3)

Annapolis Convention

12

Sacco and Vanzetti

37 miles

judicial branch

William Penn

senate

KAEOPP HS Scholar's Bowl

Round # 6

2011

31 Coasts

India's Malabar Coast is adjacent to what sea?

Arabian Sea

32 The Reformation

What plural noun is missing in this quote by Martin Luther?

Those preachers of ---- err who say that a papal pardon frees a man from all penalty and assures his salvation.

indulgences

33 Rich Deposits

In Bolivia and Afghanistan, there are enormous deposits of what soft metal used in the rechargeable batteries that power cell phones and laptops?

lithium

34 Timepieces

Located at the Palace of Westminster in London, the world's largest four-faced chiming clock is called ...

Big Ben

35 Territories

What strategic territory of the United Kingdom in southern Europe originally had the Arabic name "Jebel Tariq," which means Tariq's Mountain?

Gibraltar

36 Historical Documents

The Mayflower Compact was signed in 1620 at what cape?

Cape Cod

37 Linguistics

Because they all descend from Latin, the language of ancient Rome, what is the collective name for such languages as Spanish, French, Portuguese, Italian, Romanian, Catalan, Corsican, Sardinian, Sicilian, and Venetian?

Romance languages

38 Pledge Analysis

What is the first determiner in the Pledge of Allegiance?

the

39 Novels

What ancient city is the main setting for these historical novels?

Quo Vadis
The Ides of March
I, Claudius

Rome

40 Fantasies

In Ursula Le Guin's "Earthsea" books, what kind of creatures are Orm, Orm Embar, Yevaud, and Orm Irian?

dragons

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2011

41 Poetry

In a famous short poem by Robert Frost, he suggests what two ways in which the world will end?

46 Civil War Novels

In what novel by Irene Hunt does the protagonist, Jethro Creighton, lose a sister in a wagon accident, his teacher to the Union war effort, his brother to the Southern war effort, another brother to a Confederate bullet, and his president to an assassin's bullet?

42 Latin

Translate this Latin proverb.
Omnia vincit amor.

fire, ice

Across Five Aprils

47 Verb Forms

What form of the verb is used in this line?
She was always surrounding herself with admirers.

Love conquers all. (or equivalent)

progressive (past progressive)

43 Elizabethan Drama

This is from what Shakespearean play?
Thy husband is thy lord, thy life, thy keeper,
Thy head, thy sovereign; one that cares for thee,
And for thy maintenance commits his body
To painful labor both by sea and land,
To watch the night in storms, the day in cold,
Whilst thou liest warm at home, secure and safe.

48 Verb Conjugation

Express in the past perfect tense the second person plural form of the verb "achieve."

The Taming of the Shrew

you had achieved

44 Novels

In the novel, "Holes," the mild-mannered school teacher named Miss Katherine becomes what notorious outlaw?

49 European Architecture

Since good building land was scarce in Amsterdam, city authorities declared that building plots should be long narrow strips not more than 30 feet wide. Series of dwellings joined to one another were built on these sites that came to be known as what kind of houses?

Kissin' Kate Barlow

row houses

45 Medical Names

What is the collective term for these kinds of names derived from people's names?
Addison's syndrome, Babington's disease,
Chodsko's reflex, Dieffenbach's operation,
Eisenmenger's reaction, Foville's paralysis

50 Architecture

Gothic architecture employs what kind of characteristic buttresses?

eponyms

flying buttresses

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Round # 6

2011

51 Artistic Antonyms

In terms of color, what is the opposite of a tint?

56 Musicals

In the musical, "South Pacific," who is the matriarch of Bali Hai?

a shade

Bloody Mary

52 Musicals

These are songs from what musical based on a popular novel?

Where is Matthew Going?
Where'd Marilla Come From?
Oh Mrs. Lynde
Avonlea, We Love Thee

57 Crafts

What craft involves the attachment of large numbers of small, rounded pieces of glass or plastic to each other or to cloth or leather with thread or fine wire?

Anne of Green Gables

beading

53 Dance

The art of creating dances is called ...

58 European Environmental Disasters

In 2010, a reservoir holding industrial waste burst, inundating three villages in what country with a red toxic sludge?

choreography

Hungary

54 Orchestras

What city is home to the symphony orchestra which has, at various times, been directed by Gustav Mahler, Arturo Toscanini, Leopold Stokowski, Leonard Bernstein, Zubin Mehta, and Alan Gilbert?

59 Classified Information

Name the controversial organization that, on the internet, publishes anonymous submissions of classified documents.

New York

WikiLeaks

55 Curves

What fundamental unit of architecture involves a semicircle rising from the top of one vertical element to the top of another?

60 Prizes

The 2010 Nobel Peace Prize was awarded in absentia since its recipient was imprisoned in his home country of ...

arch

China