
2014-2015

ESU #11

*Elementary Quiz Bowl
Practice Questions #2*

Elementary Rounds

Round Number 16

TOSS-UP

BONUS

1 Adages

According to the adage, you should measure twice before you do what once?

1 Tense Transformations

Transform this line into the past tense.
She rides a killer whale.

cut

She rode a killer whale.

2 Maps

Name the imaginary lines that separate these regions.

- Egypt and Libya
- France and Spain
- Peru and Bolivia
- Missouri and Illinois

2 Reciprocals

What is the reciprocal of the fraction x/y ?

border (or boundary)

y/x

3 Vocabulary

What one word can have these meanings?

- a small island off Florida
- a part of a piano
- something that will open a lock

3 Mammals

What living but endangered mammals can reach 3.5 meters in height and weigh six tons?

key

elephants

4 Place Value

What number equals the following?
 $(2 \times 1000) + (3 \times 10) + (5 \times 1)$

4 Meteorology

Name the divisions of the year based on changes in climatic conditions.

2035

seasons

5 Plant Poems

This is about what fruit?

- Green Buddhas
- On the fruit stand.
- We eat the smile
- And spit out the teeth.

5 Story Settings

"Hans Brinker and the Silver Skates" is set in what European country?

watermelons

Netherlands (Holland)

Elementary Rounds

Round Number 16

TOSS-UP

BONUS

6 Aircraft

What type of aircraft achieves lift and propulsion by means of a rotary wing on top of the fuselage?

helicopter

7 Reptiles

What kind of snake is the sidewinder?

rattlesnake (pit viper)

8 Measurement

What metric unit is used to measure liquid volume?

liter

9 Pipe Lengths

Two pipes are joined together with an elbow 6 inches long. The pipes are 6' 7" long and 4' 10" long. What is the total length?

11' 11"

10 Geologic Change

Sometime about 200 million years ago, all continents were connected to form a single supercontinent. That land mass broke up into several large continents that slowly moved apart from one another, a movement known as continental ...

drift

6 Wartime Presidents

The U.S. was embroiled in what war while these men served as presidents?

John Kennedy
Lyndon Johnson
Richard Nixon

Vietnam War

7 Marine Landforms

The skeletons of what marine animals form much of the framework of warm-water reefs?

coral

8 Technology

Water is converted into steam in vessels that feed the steam turbines that produce electricity or drive old locomotives. Name these vessels.

boilers

9 Speed Problems

An airplane traveled 1470 miles in 3 1/2 hours. Compute its rate of speed.

420 mph

10 Electricity

What occurs when wires in an electrical circuit that are not supposed to touch are brought into contact?

a short (short circuit)

Elementary Rounds

Round Number 16

TOSS-UP

1 1 Moisture

The drops of moisture that form on leaves and grass during the night comprise what?

1 2 Precipitation

Averaging only nine inches of rain per year, what is the driest state in the U.S.?

BONUS

1 1 Physical Science

What is the name for any substance that contains only one kind of atom?

1 2 Water

What is the name for water's gaseous phase?

dew

element

Nevada

steam (vapor)

Elementary Rounds

Round Number 17

TOSS-UP

1 Word Math

Pick any whole number and write it as a word. Count the number of letters in the word and write that number as a word. Count the number of letters in that word and write it as a word. Eventually you end up with what number?

four

2 Nouns

These belong to what special class of common nouns?

outcrop, dropout, supertanker, downtime

compound nouns

3 Performing Arts

With its name derived from the Latin word for circle, what kind of entertainment traditionally features juggling, trapeze artists, trained animals, and tightrope walkers?

circus

4 Political Change

This is about what country?

In 1949, the world's most populous nation became a communist country.

China

5 The Rock Cycle

What kind of rock forms when intense heat and pressure cook and squeeze sedimentary rock beneath the Earth's surface?

metamorphic rock

BONUS

1 Doggerel

What do the words "ruddig doud" mean in this bit of seasonal poetry?

Sprig is just aroud de corder-
Which rebides be I bust order
Xdra kleedex, cough drops, ad a big jar of vix.
Cause whed I walk id de doud toud
By dose will cub a ruddig doud.

running down

2 The Earth

Either of the extremities of the Earth's axis of rotation is called a what?

pole

3 Number Patterns

What are the next three numbers in this sequence of numerals?

2 4 6 5 7 9 8 ...

10 12 11

4 The Fur Trade

In peak years, beaver pelts sold for \$6 apiece, enabling many trappers to make about \$1000 per season. How many beavers would a trapper have to sell to earn at least that amount?

167

5 Decimals

Express 1/2% as a decimal.

.005

Elementary Rounds

Round Number 17

TOSS-UP

6 Expressions

What word completes this line written by Miguel Cervantes in the seventeenth century?

Why do you lead me on a wild-goose ...

chase

7 Physiology

The functioning of what paired organs depends on action of the diaphragm?

lungs

8 Year Palindromes

1991 was a palindromic year. What was the next palindromic year?

2002

9 Poetic Punnery

What is the last word in this ditty?
Ben Battle was a soldier bold,
And used to war's alarms.
But a cannon ball took off his legs,
So he laid down his ...

arms

10 Fantasies

In "The Last Unicorn," practically all of the world's unicorns are held captive by what creature?

the Red Bull

BONUS

6 Measurement Multiples

Multiply a third of a dozen by a baker's dozen.

52

7 Geographic Regions

What noun indicates the immediate region in which a person lives?

neighborhood

8 Homographs

What word can refer either to a liquid mixture used for cakes or a baseball player?

batter

9 Animal Anagrams

"Emitter" is an anagram for what social insect?

termite

10 U.S. Geography

What state's name begins with "D"?

Delaware

Elementary Rounds

Round Number 17

TOSS-UP

1 1 Distance Measurement

In one-half mile there are how many feet?

2640 feet

1 2 Pests

This describes what arachnids?

These are tiny creatures living in the woods and fields that attach to you as you brush past bushes, plants, and grass. Once they are on you, they often move to a warm, moist location like the armpits, groin, and hair where they attach firmly to your skin and draw blood.

ticks

BONUS

1 1 Workplaces

Name the principal workplace of the U.S. president.

White House (Oval Office)

1 2 Stories

The old queen put something on the bedstead. Then she took twenty mattresses and piled them on top, and then twenty feather beds were placed on top of the mattresses, atop which the princess was to sleep. What was put on the bedstead?

a pea

Elementary Rounds

Round Number 18

TOSS-UP

BONUS

1 Weight

Old Salty McCormick has just landed a fish which weighs 256 ounces. What is the weight of this fish in pounds?

16 pounds

2 Decimals

Translate this into a decimal number.
Sixteen thousand four hundred fifty-three and twenty-five ten thousandths.

16453.0025

3 Word Derivations

What common English word was derived from the Latin phrase, "mille passum," which meant "one thousand paces"?

mile

4 Canadian Rivers

Name the largest river near the cities of Montreal, Ottawa, and Quebec.

St. Lawrence

5 Whales

The skin of the orca or killer whale is two-toned. What are the colors?

black, white

1 Compass Headings

An airplane flying directly from Tokyo to San Francisco would follow what compass heading?

east

2 Light

What color absorbs all light?

black

3 The Old West

In early summer, cowboys would round up cattle and move them to higher summer pastures. This move was called a cattle what?

drive

4 Patriotic Poetry

What woman's name is missing in these verses?
Let me tell you of the legend of ----
We will all see the beautiful stars and bars
For to miss this beauty would be an awful loss
Was her destiny to be written by the stars?

Each star would represent a united state
United we stand and divided we fall

She would sew the symbols with a love Betsey Ross

5 Unusual Births

In what story by E.B. White is a mouse born to an apartment-dwelling Park Avenue family?

Stuart Little

Elementary Rounds

Round Number 18

TOSS-UP

6 Consumption Calculation

If Froggie eats three flies in one minute and Kermit eats two per minute, how many do they consume together in 12 minutes?

7 Fossils

Fossilized insects may be found in amber, a rocklike yellow substance. What was amber in its original state before hardening?

8 Fuels

What gas is the simplest and lightest fuel?

9 Nutrition

Which major nutrient group is abundant in milk, fish, cheese, and meat?

10 Jingles

What "occupation" completes this jingle?
Tinker, tailor, soldier, sailor,
Rich man, poor man, beggar man, ...

BONUS

6 Static Fluids

Complete this line about water pressure.
Water seeks its own ...

7 Memorials

This verse is about what U.S. national memorial?
High atop a mountain peak
Among the Black Hills pine
Four stone faces grace the sky
A monumental shrine.

8 Measurement Problems

Subtract 7 feet 5 inches from 5 yards.

9 Suffixes

What does the suffix mean in these words?
pesticide
herbicide
insecticide

10 Frost

What is the popular name for a heavy frost that ends a region's growing season?

60

level

sap

Mt. Rushmore

hydrogen

2 yd. 1 ft. 7 in. (or 7' 7")

protein

killer (kill)

thief

killing frost

Elementary Rounds

Round Number 18

TOSS-UP

1 1 Bear Food

What kind of fish are particularly important in the diet of Alaskan bears?

salmon

1 2 Weight Gain

Jabba gained six pounds on Monday. He gained twelve more pounds on Tuesday and eighteen pounds on Wednesday. If this trend continues, how much weight will he gain on Saturday?

36 pounds

BONUS

1 1 Arithmetic Sequences

What is the next term in this sequence?

1 4 7 10 13 16 ...

1 2 Sentences

Declarative sentences are to periods as interrogative sentences are to what punctuation mark?

question marks

19

Elementary Rounds

Round Number 19

TOSS-UP

1 Silly Surveys

What number is missing in this survey result?
The latest survey shows that 3 out of 4 people
make up --% of the world's population.

75%

2 Lakeside States

Which is last on an alphabetical list of states
bordering the Great Lakes?

Wisconsin

3 Time in the Middle Ages

In Europe during the Middle Ages, the day was
divided into two parts consisting of 12 hours of
daylight and 12 hours of darkness. So, the lengths
of the hours varied with the seasons. During
which season was an hour of dark shortest?

summer

4 Maps

This is about what part of a map?
It defines the relationship between a map and
the part of the Earth it represents. It allows
you to compare distances on the map to
distances on the Earth's surface.

scale

5 Fables

The moral that liars are not believed even when
they tell the truth is from Aesop's fable about a
shepherd boy and what carnivorous mammal?

wolf

BONUS

1 Stems

What is the thick, primary stem of a tree called?

trunk

2 Homonyms

What piece of equipment for hoisting massive
objects shares a name with a long-legged wading
bird?

crane

3 A Tale of Tails

What in the solar system may have a tail over
sixty million miles long?

a comet

4 Mystery Numbers

If the difference between two numbers is 6 and the
sum of the two numbers is 18, what are the
numbers?

6, 12

5 Stories

What story by Jan Slepian concerns the friendship
of Lester, whose cerebral palsy makes him look
"like a puppet whose manager has been goosed by
lightning," and Alfred, a skinny kid with black
curls, dark eyes and "nothing going on inside or
outside"?

The Alfred Summer

Elementary Rounds

Round Number 19

TOSS-UP

BONUS

6 Capital Cities

Concord is the capital of what state?

New Hampshire

7 Time Problems

In lowest terms, all the Marches, Aprils, and Mays comprise what fraction of a decade?

1/4

8 Historic Preservation

In 1858, the Mount Vernon Ladies' Association of the Union purchased whose home to protect it from falling into decay?

George Washington's

9 Documents

What document was signed in 1776 on July 4th?

Declaration of Independence

10 Percentage Problems

The Wossamatta U basketball team scored 800 points this year. If Bullwinkle scored 30% of those points, how many points did he score?

240

6 Rounding

Round .17433 to the nearest hundredth.

.17

7 Money Problems

You bought 4 giant earthworms for \$10 and sold them for \$3.25 each. How much profit did you make?

\$3.00

8 Sons of Liberty

Notable members of the Sons of Liberty included the physician Benjamin Rush, the lawyer Patrick Henry, the businessman Benedict Arnold, and what silversmith?

Paul Revere

9 Heroes

This is about whom?

In 1927, this lanky stunt flier called the Flying Fool courageously piloted his monoplane from New York to Paris in a grueling 33 hours 39 minutes.

Charles Lindbergh

10 Native Americans

What dwellings are suggested in this excerpt?

The Hopi, Zuni, and Anasazi Indians of the southwest lived in proto-condominiums made of adobe and stone.

pueblos

Elementary Rounds

Round Number 19

TOSS-UP

1 1 Anatomical Adjectives

"Coronary" indicates what organ?

heart

1 2 Distances

What is the distance from 450 feet below sea level to 920 feet above sea level?

1370 feet

BONUS

1 1 Achievement Poetry

What is the last word in this poem by Arthur Guiterman?

He rarely hits the mark or wins the game

Who says, "I know I'll miss!" while taking ...

aim

1 2 Fractions

What type of fractions are these?

$27/6$, $18/5$, $221/9$

improper

Elementary Rounds

Round Number 20

TOSS-UP

1 Grocery Shopping

If a bag contains 5 pounds of avocados at 90 cents per pound and 6 pounds of kumquats at \$1.35 per pound, what is the cost of the combined mixture?

\$12.60

2 Fables

This moral came from a fable by Aesop about what kind of bird?

Much wants more and loses all.

goose

3 Historical Novels

These are titles of books about what conflict?

Shades of Gray

The Guns of Vicksburg

Johnny Reb

Civil War

4 Rodents

What is the common name for rodents that often collect various small, bright, shiny objects and bits of material to deposit in their nests?

pack rats

5 Inventors

What U.S. inventor came up with a single-barreled pistol with a rotating cylinder?

Samuel Colt

BONUS

1 Sentence Parts

What is the simple subject and predicate in this sentence?

But, as other historians and novelists have made much clearer, very little was truly romantic about the Civil War.

little was

2 Devices in Science

A coffee maker uses a special paper that allows water but not grounds to go through it. Some cameras have special lenses that only allow certain colors to pass through. In both cases, this device is called a what?

filter

3 Scientific Descriptions

What bird is described in this excerpt?

The body and part of the neck being of a dark brown, the upper part of the neck and head is covered with a white sort of down, whereby it looks very bald, whence it is so named.

bald eagle

4 Reciprocals

What is the reciprocal of 21?

1/21

5 Capitalization

What words in this book title need not be capitalized?

alexander and the terrible, horrible, no good, very bad day

and, the

Elementary Rounds

Round Number 20

TOSS-UP

BONUS

6 Prefixes

What common prefix is used in words describing a four-sided polygon and a four-legged mammal?

quad

7 The Earth's Axis

The Earth's axis of rotation coincides with that diameter terminating the Earth's geographical north and south what?

poles

8 Heteronyms

Spell the heteronym that can mean either "to shut" or "near."

close

9 Islands

In what ocean are Melanesia and Micronesia?

Pacific

10 Europe

Scotland, Northern Ireland, Wales, and England are part of the United what?

Kingdom

6 Poetic Tributes

This is from a tribute to what author?
From babies to grown-ups and all in between,
Who can't remember Sam's Ham and Eggs
Green?
The Lorax! and Horton!
And Star-bellied Sneetches!

Dr. Seuss (Theodor Geisel)

7 Weaponry

Natives of Africa and South America use what tall, woody, tropical grass to make blowguns?

bamboo

8 Factors

What is the prime factorization of 96?

$2 \times 2 \times 2 \times 2 \times 2 \times 3$

9 Historical Quotes

To whom was King George III referring with these words?
We must master them or totally leave them
to themselves.

colonists (Americans)

10 Fraction Division

Divide 1 by $\frac{2}{3}$.

$\frac{3}{2}$

Elementary Rounds

Round Number 20

TOSS-UP

1 1 Fictional Characters

This is about what character created by Donald Sobol?

He read more books than anyone in Idaville, and he never forgot a fact. His pals said he was like a library and a computer rolled into one, and more user-friendly.

Encyclopedia Brown

1 2 Storms

What kind of storm could measure 1000 miles across and have sustained winds of 200 miles per hour?

hurricane

BONUS

1 1 Fantasy Homes

Who wrote this?

In a hole in the ground there lived a hobbit. Not a nasty, dirty, wet hole, filled with the ends of worms and an oozy smell, nor yet a dry, bare sandy hole with nothing in it to sit down on or to eat. It was a hobbit-hole, and that means comfort.

J.R.R. Tolkien

1 2 English Allegories

One book in "The Chronicles of Narnia" by C.S. Lewis is entitled, "The Voyage of the Dawn" what?

Treader

Elementary Rounds

Round Number 21

TOSS-UP

BONUS

1 Construction

Name the flat metal disk placed beneath a bolt head or nut to help distribute the pressure and secure the fastener.

washer

2 Optics

What common optical instrument consists of a pair of parallel telescopes?

binoculars

3 Influence

Congressman Cornpone was offered a condo in Capistrano, a Cadillac, and a sizable chunk of change if he would vote yes for a proposed law on conifer conservation. Any such offer to influence an official's views is called a what?

bribe (payoff)

4 Government

Name the process by which voters choose people for office.

election

5 Avoirdupois Weight Problems

How many ounces are in 4 pounds?

64

1 Metals

What soft, dense, blue-gray metal is used in solder and radiation shields, but has its greatest single use in car batteries?

lead

2 Mixtures

Gary the grocer mixes 12 pounds of coffee at \$3.50 per pound with 8 pounds of \$4 per pound coffee. What is the cost per pound of the mixture?

\$3.70

3 Literary Forms

What category of literature includes works published weekly, monthly, or quarterly?

periodical

4 Pending Prizes

Since 1979, an Israeli town has offered a yet-unclaimed prize for anyone who can prove the existence of what legendary sea creature with a female human head and torso and the tail of a fish?

mermaid

5 Perimeters

Three consecutive integers represent the lengths of the sides of a triangle. If the perimeter is 63 feet, what is the length of the shortest side?

20 feet

Elementary Rounds

Round Number 21

TOSS-UP

BONUS

6 Glass

What kind of glass is produced by forcing molten glass through tiny holes in metal plates?

fiberglass

7 Plate Tectonics

On hitting a lighter continental plate, a heavy oceanic plate slides down into the mantle. There, the plate edge melts and the magma rises to the surface forming what surface features?

volcanoes (lava flows)

8 Governments

What name for a group of about three hundred rulers in the Roman Republic is also used for one of the houses of the U.S. legislative branch?

Senate

9 Number Patterns

What are the next three numbers in this series?
2 4 3 6 5 10 ...

9 18 17

10 Banking

When you go to the bank to put money into an account, you are making what?

a deposit

6 Animal Behavior

Whales and caribou leave one region each year and make long journeys to another location. Later in the year they return. These journeys are called annual what?

migrations

7 Literary Orphans

Henry, Jessie, Violet, and Benny are orphans in what story by Gertrude Chandler Warner?

The Boxcar Children

8 Sentence Subjects

What is the subject of this line by Will Durst?
In San Francisco, Halloween is redundant.

Halloween

9 Combustion

The incomplete combustion of hydrocarbons results in the emission of black smoke consisting of minute carbon particles called ...

soot

10 Sailing

While you sail north through the Bering Strait, what land mass is to your east?

Alaska (North America)

Elementary Rounds

Round Number 21

TOSS-UP

1 1 Chants

What activity are people probably involved in when they use this chant?

Cinderella, dressed in yella,
Went upstairs to kiss a fella,
Made a mistake,
Kissed a snake,
How many doctors will it take?

rope jumping

1 2 U.S. Bases

Name the major U.S. naval base in Hawaii.

Pearl Harbor

BONUS

1 1 Temperature Doggerel

What word completes this ditty?

If Centigrade confuse you,
As very well it might,
Nine-fifths of C, plus thirty-two
Will give you ...

Fahrenheit

1 2 Sentences

What part of a sentence tells whom or what the sentence is about?

subject

Elementary Rounds

Round Number 22

TOSS-UP

BONUS

1 Ancient Theater

Complete this line first used in a play by Titus Maccius Plautus in 213 B.C.
Such things are easier said than ...

done

2 Odd or Even

In a list of 147 whole numbers, 86 are odd. How many are even?

61

3 Zoology

What is a name for a large number of wild quadruped mammals that remain together as a group?

herd (pack, flock)

4 Oil Offloading

How many cubic meters of petroleum can be carried by 150 ships if each ship can carry 130,000 cubic meters of oil?

19,500,000

5 Cartoon Namesakes

The name of Scrooge McDuck was based on what character of British fiction?

Ebenezer Scrooge

1 Matter

Matter may exist as a gas or in what other two states?

liquid, solid

2 Troll Tolls

What was the percentage increase when the trolls increase the toll to cross a bridge from 50 cents to 60 cents?

20%

3 Weapons

What pole weapon consists of a shaft of wood with a pointed head?

spear

4 Musicians

What American composer is the March King?

John Philip Sousa

5 Singing Voices

What is the highest natural adult male singing voice?

tenor

Elementary Rounds

Round Number 22

TOSS-UP

BONUS

6 Reflex Reactions

If your body becomes cold, your muscles will begin to quickly contract and relax to help generate heat, a reaction called ...

shivering

7 Government Foundations

A written set of the fundamental rules and principles that people agree upon as the foundation for their government is called a ...

constitution

8 Money Idioms

Excess money that you are tempted to spend is said to be burning a hole in what part of your apparel?

pocket

9 Senators

How many members of the U.S. Senate represent these states?

North Carolina
Rhode Island
Alaska
Pennsylvania

10 Precipitation

Most precipitation in arctic climates is in the form of what?

snow

6 British Fantasies

In a story by C.S. Lewis, who rules Narnia and keeps it in a perpetual state of winter?

White Witch

7 Nouns

What is the abstract noun in this line?

Doris had intended to only buy some fruit, rolled oats, and green tea, and her purchase of sauerkraut was an afterthought.

afterthought

8 Factoring

What are the prime factors of 630?

2, 3, 3, 5, 7

9 Context Clues

What are the two context clues for the word "noxious" in this sentence?

The lake water was full of noxious materials such as solvents from factories and pesticides from upstream farms.

solvents, pesticides

10 Crimes

Name the crime of betraying one's own country or of actively assisting in its overthrow.

treason

Elementary Rounds

Round Number 22

TOSS-UP

BONUS

1 1 Percent Conversion

Convert 130% to an improper fraction reduced to lowest terms.

13/10

1 2 Purchasing Problems

If you bought 6 pairs of socks for \$4 each and 3 pairs of shoes for \$38 each, excluding tax, how much did you spend?

\$138

1 1 Marine Biology

What jet propelled marine creature has a soft, torpedo-shaped body with two flaps used for steering and ten arms with suckers?

squid

1 2 Sociology

According to Robert Benchley, there are two classes of people in the world: those who constantly divide the people of the world into two classes, and what other group?

those who do not (don't)

Elementary Rounds

Round Number 23

TOSS-UP

1 Ciphers

The Caesar cipher replaces each letter by the letter three places beyond it in the alphabet. Using the code, "Krohv" is the code for the name of what popular novel by Louis Sachar?

Holes

2 Mismatched Proverbs

What clause usually completes the proverb parodied below?

Don't count your chickens until you've walked a mile in their shoes.

they hatch

3 A.A. Milne

The mother kangaroo in the Winnie-the-Pooh stories is Kanga. Name her baby.

Roo

4 Climates

Name the climatic condition where water loss due to evapotranspiration is greater than water inputs through precipitation, resulting in a prolonged water shortage.

drought

5 National Borders

What country is adjacent to the Davis Strait, Baffin Bay, the Labrador Sea, the Beaufort Sea, and the Pacific?

Canada

BONUS

1 Antagonists

Who is the main antagonist in the book, "Peter Pan"?

Captain Hook

2 Levers

Where is the fulcrum on a bottle opener?

on the top of the bottle cap

3 Woodchucks

What is a healthy woodchuck doing if its heartbeat slows from its normal eighty beats per minute to only four?

hibernating

4 Athlete Woes

Gene played seven games of racquetball one afternoon. That evening, after climbing into bed, he pointed his toes during a big stretch and got an incredible pain in both calves. Name these pains.

cramps (spasms)

5 Fence Math

What is the total length of a fence built with 10 poles placed 6.5 feet apart?

58.5 feet

Elementary Rounds

Round Number 23

TOSS-UP

BONUS

6 Scale Models

If the ninth hole at the Frogcroaker Country Club is 150 yards, how long would it be on a scale model in which 1 1/2 inches equal 50 yards?

4.5 inches

7 Holidays

What national holiday was established by presidential proclamation during the Civil War?

Thanksgiving

8 The Blood Supply

A momentary drop in the supply of blood to the brain may cause a brief loss of consciousness called what?

fainting

9 Numbers

What category of numbers meets these criteria?
-They are whole numbers.
-They are exactly one more than an even number.

odd numbers

10 Art Forms

What art form completes this quote by Thomas Stoppard?

It is not hard to understand modern art.
If it hangs on a wall it's a painting, and
if you can walk around it, it's a ...

sculpture

6 Liquids

Name the physical process through which the molecules of a liquid escape as a vapor.

evaporation (vaporization)

7 Air Movements

What is the meteorological term for a gentle air movement?

breeze

8 Decimal Conversions

Convert 117% to a decimal number.

1.17

9 Geology

The general process by which the Earth is worn away by the action of the elements such as wind and water is ...

erosion

10 Monuments

The Gateway Arch is located on the bank of what river?

Mississippi River

Elementary Rounds

Round Number 23

TOSS-UP

1 1 Syllables

What is the total number of syllables in this four-line rhyme?

Dickery, dickery, dare.

The pig flew up in the air.

The man in brown soon brought him down.

Dickery, dickery, dare.

1 2 Punctuation

When writing the time, what punctuation mark should be used between the hour and the minute?

29

colon

BONUS

1 1 Perimeters

What is the term for the perimeter of a lake?

1 2 Lake Formation

The Great Lakes and thousands of other lakes in their vicinity were carved out of the bedrock by what?

shoreline (shore)

glaciers (glaciation)

Elementary Rounds

Round Number 24

TOSS-UP

1 Fantasies

In what work are these characters found?
Everpresent Wordsnatcher
Terrible Trivium
Demon of Insincerity
Senses Taker

The Phantom Tollbooth

2 States

Name the geographically smallest U.S. state.

Rhode Island

3 Boat Rentals

Beanie and Cecil rent a boat for a total cost of \$300.00. Beanie used it for 18 days and Cecil used it for 36 days. How much should Beanie pay for his share of the rent?

\$100.00

4 Syllables and Integers

What is the sum of the smallest even numbered, positive integers with single, double, and triple syllables?

38 (2+14+22)

5 Symbols

What is the name for a set of symbols representing individual speech sounds and arranged in a set order?

alphabet

BONUS

1 Bites

Common to all venomous reptiles are what kind of teeth that inject venom?

fangs

2 Pollutants

It makes a city warmer at night and, by reflecting radiation during the day, makes the city's high temperatures cooler than they would be without it. Name this pollutant formed when fog combines with exhaust gases and smoke.

smog

3 Alice in Wonderland

In the Mad Hatter's world, it is always what time?

tea time

4 Temperatures

The temperature was 27 degrees below zero but then it dropped 15 degrees. What was the resulting temperature?

-42 degrees

5 Dams

Dams are built and reservoirs are created for three major purposes including water storage, flood control, and what other?

generating electricity (hydroelectric power)

Elementary Rounds

Round Number 24

TOSS-UP

6 Wall-to-Wall Math

How much will it cost to carpet a room 10 meters long and 8 meters wide at \$11 per square meter?

\$880

7 Sets

What is the set of positive even integers between 3 and 13?

4, 6, 8, 10, 12

8 Decimals

If five places to the left of the decimal point is ten thousands, what is five places to the right of the decimal point?

hundred thousandths

9 Redundancy

What two words can be omitted from this sentence without changing its meaning?

We must all cooperate together to produce a quality end product.

together, end

10 Geographic Adjectives

What proper adjective indicates the continent where the South Pole is located?

Antarctic

BONUS

6 Seasonal Poetry

What season is described in these words by Emily Dickinson?

The morns are meeker than they were,
The nuts are getting brown,
The berry's cheek is plumper,
The Rose is out of town.

fall (autumn)

7 Monaco

Monaco, a tiny country on the French coast, is a principality because it is ruled by a hereditary leader with what title?

prince

8 Oceans

What ocean is adjacent to Norway, Iceland, Russia, the United States, and Canada?

Arctic Ocean

9 Metals

What light metal that does not rust is used in airplanes, foil, and drinking cans?

aluminum

10 Trees

The sap of what New England tree is used in making syrup?

maple

Elementary Rounds

Round Number 24

TOSS-UP

1 1 **Fantasies**

In the "Harry Potter" books, what is the name for nonmagical people?

muggles

1 2 **Birth Drops**

What mammals drop to the earth an average of five feet at birth?

giraffes

BONUS

1 1 **Integers**

Find two consecutive integers whose sum is 35.

17, 18

1 2 **Literary Elements**

What literary element is the tension or excitement felt by readers as they become involved in a story and eager to know the outcome of a conflict?

suspense

Elementary Rounds

Round Number 25

TOSS-UP

1 Percent

What is 40% of 4?

BONUS

1 Prime Numbers

What is the first prime number larger than 79?

2 Campsites

What army camped at Valley Forge during the winter of 1777-1778?

1.6

2 Ships

What was the means of propulsion for the Cutty Sark, the Golden Hind, and the U.S.S. Constitution?

83

3 Chewing Poems

What is the last word in this stanza?

Once a big molicepan
Saw a bittle lum,
Sitting on the sturbcone
Chewing gubble ...

Continental Army

3 Constellations

Next to Cepheus is the constellation Draco, which means what?

wind (sails)

4 Number Sequences

What are the next two terms in this sequence?

9 14 20 27 35 ...

bum

4 Commonwealths

Name the two largest bodies of water adjacent to Puerto Rico.

dragon

5 Song Lyrics

What place name is missing from this line?

I come from ---- with a banjo on my knee.

44, 54

5 Slang

What verb can mean "to heat in a microwave oven" or "to attack with atomic weapons"?

Atlantic Ocean, Caribbean Sea

Alabama

nuke

Elementary Rounds

Round Number 25

TOSS-UP

BONUS

6 Evaporation

More water evaporates from the oceans than falls on the oceans as precipitation. More water falls on land as precipitation than evaporates from what?

the land

7 Spectra

Name the transparent body with triangular bases used for decomposing light into its spectrum.

prism

8 Forms of Government

What form of government, according to Harry Fosdick, "is based upon the conviction that there are extraordinary possibilities in ordinary people"?

democracy

9 Lowlands

What are broad regions of flat lowlands called?

plains (peneplains)

10 Consecutive Integers

What two consecutive odd integers have a sum of -28?

-15, -13

6 Big Numbers

How many zeroes are needed to write the decimal number ten trillion?

13

7 Astronomy

This is about what?

Except for what appears to be their circular motion around Polaris, they remain fixed in their positions with respect to one another.

stars

8 Atmospheric Phenomena

What is a synonym for the aurora borealis?

northern lights

9 Charts

Bathymetric charts show what?

depths of oceans (bodies of water)

10 Puns

What word is used as a pun in this news clipping?

When duck stamp judges got a gander at Bob Hautman's acrylic painting of a Canada goose last week, they declared him this year's winner.

gander

Elementary Rounds

Round Number 25

TOSS-UP

BONUS

1 1 Weapon Poems

This is about what aboriginal weapon?
Behold! wood into bird and bird to wood again.
A brown-winged bird from the hand of a brown
man.
Elbow of wood from flexed elbow of bone
to a swift hawk has amazingly grown.

boomerang

1 2 Weight Problems

What is the cost of three tons of beef at fifteen
dollars per hundred-weight?

\$900

1 1 Fractions

Express this fraction as a terminating decimal.
 $\frac{5}{32}$

.15625

1 2 Last Lines

This is the closing line of what story?
But, lest you forget a tiny form trembling and
sobbing on the mound before the Brinker
cottage, ask the Van Glecks; they will never
weary telling of the darling little girl who
won the Silver Skates.

Hans Brinker or The Silver Skates

Elementary Rounds

Round Number 26

TOSS-UP

BONUS

1 Adventure Stories

What book written and illustrated by William Steig recounts the harrowing adventures of a mouse named Abel who, in the midst of a picnic, is swept away from his beloved bride by a sudden storm to an uninhabited island?

Abel's Island

2 Plant Discoveries

What agricultural product was introduced to Juan de Grijalva, a Spanish explorer on the Yucatan, when an Indian chief gave him "a little hollow tube, burning at one end, made in such a manner that after being lighted, it burned itself out as do the incense sticks of Valencia"?

tobacco

3 Bad Career Moves

This is about whom?

His career in politics appeared over after he killed Alexander Hamilton, but when he became involved in a scheme to carve an independent nation out of the American Southwest, President Jefferson ordered him arrested for treason.

Aaron Burr

4 Folksongs

These lyrics are from what song?

Don't you hear the captain shouting,
"Dinah blow your horn."

I've Been Working on the Railroad

5 Whales

Whales balance and steer themselves with forelimbs called what?

flippers

1 Inflammations

Laryngitis hampers a person's ability to do what?

speak (talk, sing, communicate, etc.)

2 Scientific Sites

Name the launch site for the first U.S. space satellite, the first U.S. manned space flight, and the Apollo program Moon landing.

Cape Canaveral

3 Safety Traditions

In spring, when the risk of what is greatest, Swiss mountain villagers traditionally ban yodeling and even forbid shouting and horn honking?

avalanches

4 Water

What adjective describes water that contains a great deal of dissolved carbon dioxide?

carbonated (effervescent)

5 Office Terms

The U.S. president is elected for a term of how many months?

Elementary Rounds

Round Number 26

TOSS-UP

BONUS

6 Liquid Measures

Two quarts and one pint equal what fraction of a gallon?

5/8

7 Success

What noun that rhymes with "cash" means that a play is a resounding success?

smash

8 Children's Literature

H.A. Rey wrote a series of stories about Curious George. What kind of creature is he?

monkey

9 Astonishing Americans

Benjamin Franklin started a newspaper, began a tradesmen's club, founded a library, established a fire company, and was the postmaster while living in what city?

Philadelphia

10 Spelling

Spell the plural of "phenomenon."

phenomena

6 Numbers

A negative number is divided by a positive number. That quotient is then divided by a negative number. The result is ...

positive

7 U.S. Government

Ultimate judicial power in the United States is held by what body?

Supreme Court

8 Northerly States

Name the northwesternmost of the lower forty-eight states.

Washington

9 Chicken Processing

If Joan of Arkansas can pluck forty chickens in three hours, how many can she pluck in three eight-hour shifts?

320

10 Ocean Currents

Name the warm ocean current that flows northward through the Atlantic after leaving the Gulf of Mexico.

Gulf Stream

Elementary Rounds

Round Number 26

TOSS-UP

BONUS

1 1 Poems

This is about the cost of what?
And then I said, "They cost a lot,
A lot of watching by a cot,
A lot of sleepless hours and care,
A lot of heartache and despair,
A lot of fear and trying dread,
And sometimes many tears are shed."

babies (children)

1 2 Resources

The aluminum in cans, the lead in batteries, the plastic in milk jugs, the paper in newspapers, and the glass in bottles can be processed and reused through what process?

recycling

1 1 Track Measurement

A track event required entrants to run one-eighth mile, a distance of how many yards?

220

1 2 Chemistry History

Joseph Priestley heated mercuric oxide and found it gave off a colorless gas that made a candle burn dazzlingly bright. He wrote that "two mice and myself have had the privilege of breathing it." Priestley had discovered what?

oxygen

Elementary Rounds

Round Number 27

TOSS-UP

BONUS

1 Boundaries

Montana and what other state share the same line of longitude for their eastern borders?

Wyoming

2 North American Possessions

During the 18th century, what European country controlled a tremendous amount of territory stretching from Nova Scotia to New Orleans to Montana?

France

3 Crimes

Rustling usually involves the stealing of what?

cattle (livestock)

4 State Names

What U.S. state traces its name back to 1513 when a Spanish explorer gave it a name that literally means "flowery land"?

Florida

5 Parts of Speech

What part of speech inevitably follows an article?

noun

1 Perspectives on Time

What month did Ambrose Bierce cynically define as "the eleventh twelfth of a weariness"?

November

2 Sound

The frequency of a train whistle seems to do what if the train is traveling away from a listener?

decrease

3 Fish

What fish use their long stiffened fins as wings to take to the air to escape pursuing enemies?

flying fish

4 Elections

What adjective indicates complete agreement and assent among voters in an election?

unanimous

5 Fairy Tales

In what James Thurber story must a prince find 1000 jewels and unfreeze thirteen clocks that the evil duke has stopped to free a princess?

The Thirteen Clocks

Elementary Rounds

Round Number 27

TOSS-UP

BONUS

6 Sunshine

Which planet receives the greatest amount of sunshine in any given period?

6 Letter Patterns

What letter comes next in this sequence?
B, E, H, K, ----

7 Numbers

What is the smallest number with four different digits?

Mercury

7 Icebergs

With increasing distance from their source, what happens to icebergs?

N

8 Speed Conversions

Convert 90 miles per hour to miles per minute.

1023

They become smaller (shrink, reduced in size)

8 Etymology

"Dinosaur" is a Greek term that means what?

9 Launching Sites

All of America's major space missions are launched from what site in Florida?

1.5

terrible lizard

9 State Alphabetizing

On an alphabetical list of U.S. states, which is next after Hawaii?

10 Wild Stories

Name the story by Chris Van Allsburg about an incredible board game involving lions, snakes, tsetse flies, floods, and killer plants.

Cape Canaveral (Kennedy Space Center)

Idaho

10 Distance Conversions

Given there are about 1.61 kilometers in a mile, convert the 405-mile distance from Minneapolis to Chicago into kilometers.

Jumanji

652

Elementary Rounds

Round Number 27

TOSS-UP

1 1 Christmas Tunes

What should the word be in this mistaken line from "Jingle Bells"?

Bells on bobsleds ring

BONUS

1 1 Probability

It is impossible to draw a card from a standard deck that is both red and of what suit?

bob-tails

club (or spade)

1 2 Presidential Limericks

What place name completes this limerick?

There once were three men named George

Little Bush and his father before.

But none could compare

For it would be rare

To top the general of Valley ...

1 2 Flowering Plants

Name the liquid exuded by flowering plants and prized by bees and hummingbirds.

Forge

nectar

Elementary Rounds

Round Number 28

TOSS-UP

BONUS

1 The Atmosphere

What is the only substance in Earth's atmosphere that naturally exists as a gas, solid, and liquid?

water

2 Metric Measures

What metric unit is equivalent to .001 kilogram?

gram

3 Birds

What birds have these characteristics?

- long necks
- long legs and webbed feet
- bills bent downward
- pinkish to scarlet plumage

flamingoes

4 Animal Behavior

Animals that live underground prepare runways and living quarters beneath the surface. Name this activity.

burrowing

5 Measurement Problems

When rounded to the nearest yard, how many yards result from multiplying 21 yards 2 feet 11 inches by 6?

132 yards

1 Contradictory Proverbs

What proverb about an elderly canine means the opposite of this one?

You're never too old to learn.

You can't teach an old dog new tricks.

2 Mixtures

What is the term for the large quantity of tiny bubbles formed when soap is mixed with water?

lather

3 Soakings

What is the term for the soaking of water into a sponge or of a gas into water?

absorption

4 Elected Officials

What is the lowest-ranking position of the official elected by the entire U.S. electorate?

vice president

5 Botany

Name the green substance in plants that permits them to manufacture their own food from sunlight, water, and minerals.

chlorophyll

Elementary Rounds

Round Number 28

TOSS-UP

6 Consecutive Integers

If you are instructed to open your "Tale of Two Cities" novel to the facing pages whose page numbers add up to 95, what is the number of the page on your left?

BONUS

6 Fictional Reference Books

In a series of books about what fictional character is this reference book found?
Hogwarts: A History

7 Foods

What common material used in cooking can be produced by grinding the seeds of these plants?

rye
rice
buckwheat
wheat

47

Harry Potter

7 Paintings

Leonardo Wilson just completed a huge painting of ancient Anasazi life covering the entire side of a motel wall. What is this type of painting called?

flour

mural

8 Abstractions

What abstract quality is given a human shape in New York harbor?

liberty (freedom)

8 Agreements

In what kind of settlement of differences do both sides make concessions?

compromise (negotiation)

9 Children's Literature

Mary Mapes Dodge wrote about a boy and a pair of silver what?

skates

9 Heads of State

What title was held by Tutankhamen?

pharaoh

10 Birds

Name the finch native to the Canary Islands.

Canary

10 Anagrams

What anagram of "agrees" indicates a lubricant?

grease

Elementary Rounds

Round Number 28

TOSS-UP

1 1 Fictional Kangaroo Courts

What character in a book by Lewis Carroll is accused of stealing tarts?

BONUS

1 1 Traditions

What are these rules about?

It should not be displayed when the weather is inclement. It should never be displayed with the union down, except as a signal of dire distress. It should never touch the ground.

Knave of Hearts

American flag

1 2 Names

These are what kind of names?

Cock-eyed Swanson
Klondike Pete
Nasty McNab
Loose-line McGuinnis
Dynamite Johnson
Three Day Kelly

1 2 Patriotic Songs

What are the next four words in the song that begins with this line?

My country 'tis of thee ...

nicknames

sweet land of liberty

Elementary Rounds

Round Number 29

TOSS-UP

BONUS

1 Percentage Problems

If you paid \$5000 for a set of Justin Bieber trading cards and sold them for \$5500, what percentage was your profit?

10%

2 Feathers

Birds have different kinds of feathers. Long stiff feathers are used for flight. Contour feathers give them a streamlined shape. What kind of feathers grow close to the skin to keep them warm?

down

3 Central America

What country borders Guatemala to the east and Nicaragua to the north?

Honduras

4 Fractions

In a proper fraction, the numerator is smaller than what?

the denominator

5 Compass Work

What direction is directly opposite of SSW?

NNE (north-northeast)

1 Interjections

What interjection can be made with the first letters of the names of the last three states to be admitted to the Union?

aha

2 Geometric Solids

Name the solid whose base is a polygon and whose faces are triangles meeting at a point.

pyramid

3 Weights and Measures

Sal went into a store and asked for 2.5 pounds of hummingbird tongues or how many ounces?

40

4 Pooch Stories

What story by Dodie Smith begins with this?
Not long ago, there lived in London a young married couple of dalmatians named Pongo and Misses Pongo.

101 Dalmatians

5 The Solar System

What body accounts for 99.86 percent of the mass of our solar system?

the Sun

Elementary Rounds

Round Number 29

TOSS-UP

BONUS

6 Imaginary Lines

It runs north and south through the Pacific Ocean. At midnight when it is Tuesday just west of the line, it is Monday just east of it. Name this imaginary line.

International Date Line

7 President's Homes

Mt. Vernon, the home of George Washington, is in what state?

Virginia

8 Big Numbers

What is the more efficient way of expressing "three thousand thousand"?

3 million

9 Mathematical Series

What is the next number in the series below?
4 -2 8 -4 16 ...

10 Plurals

Spell the plural of "bureaucracy."

bureaucracies

6 Folksong Lyrics

What refrain follows this line?
A penny for a spool of thread,
A penny for a needle,
That's the way the money goes ...

Pop! goes the weasel.

7 Commuting

It takes Sarah 1 hour and 15 minutes to drive to work. Given that she works 5 days per week, what is her total commuting time in a month?

50 hours

8 Parodied Proverbs

What fruit and professional appear in the original proverb that is parodied below?
An onion a day keeps everybody away.

apple. doctor

9 Presidents

What American president slew 296 lions, elephants, water buffaloes, and other beasts while visiting Africa?

Theodore Roosevelt

10 Fantasy Grammar

Tolkien's Gollum routinely adds what two letters to practically every noun to form their plurals?

es

Elementary Rounds

Round Number 29

TOSS-UP

BONUS

1 1 Comets

What part of a comet streams away from the coma when the comet is relatively near the Sun?

tail (ion tail)

1 2 Consecutive Numbers

What are the two consecutive numbers if their sum is 75?

37, 38

1.1 Technological Advances

Cyrus Field's work linked what continents?

North America, Europe

1 2 Musician Math

How many performers are in a room which includes 5 quartets, 7 trios, and 9 duets?

59

Elementary Rounds

Round Number 30

TOSS-UP

BONUS

1 Day Length

In the Northern Hemisphere, the longest day of the year occurs during what month?

June

2 Settlers

Who is the settler indicated in this line?
Young Pocahontas later married an English settler herself and went with him to England, where she was treated as a princess.

John Rolfe

3 Tombstones

What names completes this inscription on an old gravestone in Hathersage, Great Britain?
Here lies buried Little John, the friend and lieutenant of ...

Robin Hood

4 Stories

What two words follow in this story?
The door in the rock was so completely overgrown with thorny bushes that Ali Baba would never have noticed it. The leader now uttered the strange words ...

Open. Sesame.

5 Ship Talk

What is the term for an opening through a deck of a ship?

hatch

1 Fraction Operations

Add $4/7 + 2/3 - 2/9 + 5/6$.

233/126

2 Trials

Conviction in a court of law means that what verdict was reached?

guilty

3 Food Rejection

What is the character refusing in this excerpt from a children's story?

I will not eat them in a house, I will not eat them with a mouse, I will not eat them in a box, I will not eat them with a fox, I will not eat them here or there, I will not eat them anywhere.

green eggs and ham

4 Animal Symbols

What animal that appears on the coats of arms for countries such as Kenya, India, and Burma is associated with such regal qualities as courage, nobility, strength, and power?

lion

5 Patriotic People

He was a leading advocate of resistance to British rule before the American Revolution. He seconded the Declaration of Independence and was the American ambassador to Britain between 1785 and 1788. Name this second U.S. president.

John Adams

Elementary Rounds

Round Number 30

TOSS-UP

6 Solids

What rectangular solid is bounded by six squares?

cube (hexahedron)

7 Party Math

Colonists dumped about 90,000 pounds of tea in 342 chests overboard during the Boston Tea Party. To the nearest 10 pounds, what was the average weight of each chest?

260 pounds

8 Tense

What tense is used mainly to express an action that is occurring now?

present tense

9 Shoreline Features

What part of an ocean that extends into the land is smaller than a gulf but larger than a cove?

bay (bight)

10 Painting

What term reminiscent of an article of clothing indicates a single application of paint on a surface?

coat

BONUS

6 Colonial Professions

What did cobblers make during the colonial period?

shoes

7 Agriculture History

In the Old South, what was the equivalent of the haciendas found in Spanish-speaking countries?

plantations

8 Doggerel

What is the last word in this bit of poetry?

An old grey horse stood on the wall,
As daft as he was high.
He had no fear of falling down,
He thought he was a ...

fly

9 Language

What language is spoken in the Netherlands?

Dutch

10 Parts of Speech

What part of speech is the sixth word below?

Her grandmother had big eyes and big ears and a great big toothy smile.

conjunction

Elementary Rounds

Round Number 30

TOSS-UP

1 1 **Bees**

What type of bee is most numerous in a hive?

workers

1 2 **Real Estate Deals**

What countries were parties in the Gadsden Purchase?

Mexico, United States

BONUS

1 1 **Multiples**

What is the sum of all the multiples of 5 between 14 and 36?

125

1 2 **Old West Traditions**

In the Old West and on modern cattle ranches, name the marks burned into the skin of cattle and horses.

brands