

## **ESU #3 Academic Quiz Bowl Rules Grade 3 and 4**

### **Format and Procedures:**

1. There will be two teams of 4 members each per round. A team may substitute players at the conclusion of a round only. Each round will consist of 40 questions or 15 minutes, whichever occurs first.
2. A reader in each room will announce the question.
3. A score keeper will be appointed from each team or will be supplied by the tournament.
4. Each team member has a buzzer in front of them. The buzzer will have a light attached. The light indicates who buzzed in first.
5. The reader reads the first question called the "Toss-UP Question" (10 Points).
6. The teams have 15 seconds to answer (electronically timed and projected on the screen in the room).
7. The first team to buzz in gets the opportunity to answer the question, but only after the reader has acknowledged the person who has buzzed in first. Each reader may acknowledge differently.
8. If the buzzing team answers correctly, they receive 10 points and are eligible for a "Bonus Question".
9. The team answering the Bonus Question can confer together before answering. The Team Captain must respond before the time is called. The team will have 15 seconds to begin answering the question. If correct, the team is awarded 5 points. If incorrect, no points are awarded and the next Toss-Up question is read.

10. If neither team answers the Toss-up question correctly, the next Toss Question (10 Points) is read.

11. If a team buzzes in before the Toss Question is completely read the reader will stop reading and the team is expected to answer immediately when called upon.

12. If an incorrect answer is given on an interrupted question, the reader will re-read the entire question with all time allowances given.

13. The first answer spoken will be the answer that is considered. If the answer is in the form of a proper name, first and last name should be given such as John Kennedy, not Kennedy; unless the name given is enough to decide the correctness of the name, such as Napoleon.

14. No calculators, palm pilots (PDA), or cell phones are allowed. Before each round, the Reader will ask that pagers and phones be turned off. Scratch paper and pencils will be provided by the tournament but cannot be used to communicate with during a Toss-up Question.

15. Challenges are allowed only by the team captain and must be announced before the reading of the next question.

16. Team members may ask the team captain to challenge only if they are competing at the time.

17. Challenges will be recorded by the reader and decided by the Tournament Director at the end of each round, if the challenges affect the outcome of the game. If a challenge is made on a Toss-up Question, the related Bonus question will not be read until after the game, if necessary, and the reader will proceed with the next Toss-up Question.

18. In case of a tie score at the end of a round, a Toss-Up

Question will be read. The first team to correctly answer a Toss-Up Question will win the round. All times and protocols will apply.

19. Violation of rules (such as consulting after pressing the signal button on Toss-up questions or blurting out an answer before being recognized) will disqualify a team for that question and if it is a Toss-Up Question, the other team will be given the opportunity to answer it for full value (10 Points). If it occurs during a Bonus Question, no points are awarded and the next question is read.

20. Unsportsmanlike conduct of any kind will not be allowed and a team may be disqualified from the round and the opposing team will be declared the winner of the round. If unsportsmanlike behavior occurs outside of a competition room the team that commits the infraction may be suspended from the tournament.

**Other rules of the Day:**

1. Do not bring food or beverages from outside sources into ESU #3. If contestants do bring in food, they will be asked to return it to the vehicle they arrived in or to throw it away.
2. Please do not eat or drink in the competition rooms. When eating or drinking, please be careful and do not make a mess.
3. ESU #3 is a place of business. Quiet voices are expected and courtesy towards all individuals is expected.
4. ESU #3 places the responsibility of student behavior with the sponsoring school and coach.
5. Coaches have the responsibility of knowing where their students are and monitoring student behavior. Coaches are responsible for all team member behavior during the tournament.
6. Students are representatives of their school and should be positive role models.
7. All behavior expectations of the sponsoring school are in effect at ESU #3.

# *Knowledge Master*

## **Millard Grade 3-4 Quiz Bowl - Practice**

**Round 1  
2011**

## Millard Grade 3-4 Quiz Bowl - Practice Round 1 Page 1

### 1. Numbers

What category of numbers meets these criteria?

- They are whole numbers.
- They are exactly one more than an even number.

odd numbers

### 2. Economic History

Name the economic system based on the ownership of workers by masters.

slavery

### 3. Legume Treasures

In "Jack and the Beanstalk," what treasure that Jack was stealing cried out "Master! Master!"?

harp

### 4. Big Numbers

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

13

### 5. Distance Measurement

In one-half mile there are how many feet?

2640 feet

### 6. Overtime

Max works for a construction firm and earns \$7.30 per hour. He gets time and a half for overtime. How much does he get per hour when he works overtime?

\$10.95

### 7. Tales

What is the color of Paul Bunyan's ox?

blue

### 8. Atmospheric Phenomena

A visible mass of either minute water droplets or ice particles in the atmosphere is a ...

cloud

### 9. Governmental Powers

Legislative powers enable a government to make what?

laws

### 10. Sailing Geography

What sea do you cross when sailing from Venezuela to the West Indies?

Caribbean Sea

## Millard Grade 3-4 Quiz Bowl - Practice Round 1 Page 2

### 11. Temperature Comparisons

If today's high temperature in New Igloo, Alaska, was -7 degrees F while the high temperature at Volcano, Nevada was 117 degrees F, what is the difference between these two readings?

124 degrees F

### 12. Distance Conversions

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

652

### 13. Noon

When is the Sun directly above the North Pole?

never

### 14. Daylight

On December 21st, the longest period of daylight occurs in which hemisphere?

Southern Hemisphere

### 15. Waterfalls

Niagara Falls are in what two countries?

USA, Canada

### 16. Measurements

How many inches are in 3.5 feet?

42 inches

### 17. Apples

All apples are shades of yellow, red, or ...

green

### 18. Professions

What was the profession of these people?

Hector Berlioz

Franz Liszt

Irving Berlin

Johann Strauss

Johannes Brahms

Felix Mendelssohn

composers

### 19. Fantasy Dances

Name the dance in "Alice in Wonderland" in which each dancer, with a lobster for a partner, goes through some steps and then heaves the lobsters far out to sea, swims after them, and returns to land with a new lobster.

Lobster Quadrille

### 20. Measurement

In ten yards there are how many inches?

## Millard Grade 3-4 Quiz Bowl - Practice Round 1 Page 3

**21. Government**

The process by which voters choose a person for office is an ...

election

**22. Multiplication**

What is the product of 24 and 136?

3264

**23. Meteorology**

A device consisting of material shaped into a cone and suspended on a pole is used mainly to indicate what characteristic of wind?

wind direction

**24. Color**

Mixing what two primary colors produces green?

blue, yellow

**25. U.S. Rivers**

What river runs 1450 miles from Rocky Mountain National Park in Colorado to the Gulf of California in Mexico?

Colorado River

**26. Asterisks**

An asterisk has the shape of a ...

star

**27. Refraction**

Sometimes after a rainstorm, sunlight is refracted, reflected, and refracted again in droplets of water. The resulting dispersion is called a ...

rainbow

**28. Moving Mountains**

Driven by winds, mountains of sand may bury everything in their path from rocks and fields to entire towns. Such piles of sand are called ...

dunes

**29. Weather**

Any form of violent, severe weather is a ...

storm

**30. Colonial Inventions**

Benjamin Franklin wrote to a friend that he had become tired of carrying two pairs of spectacles, one for reading and the other for distance. What did he invent to eliminate this nuisance?

bifocals

## Millard Grade 3-4 Quiz Bowl - Practice Round 1 Page 4

### 31. Historical Math

In 1869, Central Pacific workers laid a record 10 miles of track in one day requiring the spiking of 24,000 crossties. How many crossties were laid per mile?

2,400

### 32. Deserts

What African desert is almost as large as the entire United States?

Sahara

### 33. Song Grammar

What conjunction meaning "for the reason that" is used repeatedly in the song, "We're Off to See the Wizard"?

because

### 34. Fictional Parties

Who hosts a tea party in a book by Lewis Carroll?

Mad Hatter

### 35. Perimeters

In feet, what is the perimeter of an octagon with 12-inch sides?

8 feet

### 36. Writing Conventions

What term means to begin writing a little way from the left margin at the beginning of paragraphs?

indent

### 37. Christmas Poetry

These are the first letters from the names of Santa's reindeer according to Clement Moore's poem, "A Visit from St. Nicholas." What letter is missing?

D D P C C D B

### 38. Art Equipment

Name the frame in the form of an upright tripod that supports an artist's canvas.

V.

### 39. Foods

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

rye  
rice  
buckwheat  
wheat

easel

### 40. Lakes

What is the largest body of water in Utah?

flour

Great Salt Lake



# *Knowledge Master*

## **Millard Grade 3-4 Quiz Bowl - Practice**

**Round 2  
2011**

## Millard Grade 3-4 Quiz Bowl - Practice Round 2 Page 1

### 1. Ad Allusions

This ad by Mobil Oil was an allusion to what literary work?

Follow Your Own Yellow Brick Road.

### 6. Young Animals

What word completes this couplet?

A cow has a calf, but the calf of a mare

Is a foal, and a cub is the foal of a ...

The (Wonderful) Wizard of Oz

### 2. States

On an alphabetical list, the last state whose name begins with "N" is ...

### 7. Fence Math

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

bear

North Dakota

### 3. Bird Eye Math

Vultures have about one million photoreceptors per square millimeter in their retinas, five times as many as humans. How many do humans have per square millimeter?

### 8. The Flag

On the U.S. flag, there are seven red stripes and how many white stripes?

58.5 feet

### 4. Colonial Professions

What did cobblers make during the colonial period?

200,000

### 9. Provinces

Which province has these borders?

Alberta

Washington state

Alaska

Pacific Ocean

six

### 5. Compasses

What direction on a compass is exactly opposite from northeast?

shoes

### 10. Homonyms

What word as a noun indicates one of the four natural divisions of the year but as a verb means to enhance the flavor of food by adding spices?

British Columbia

southwest

season

## Millard Grade 3-4 Quiz Bowl - Practice Round 2 Page 2

### 11. Fantasies

This is from what story?

She did not think it so very much out of the ordinary to hear the Rabbit say to itself 'Oh dear! Oh dear! I shall be too late!'

Alice in Wonderland

### 12. Time Conversion

How many minutes are in half of four and one-half hours?

135

### 13. Continents

Name the continent northeast of the South Atlantic, west of the Indian Ocean, and south of the Mediterranean.

Africa

### 14. Idioms

An idiom meaning "to reveal a secret" is to let what kind of animal out of the bag?

cat

### 15. Snow

What is formed on a snowfield by the slight melting and refreezing of the surface snow?

crust

### 16. Logic

What numbers on a single rolled die meet these conditions?

- the result is less than 4
- the result is odd

1, 3

### 17. Dogs and Other Annoyances

The Smidleys have a gorgeous Samoyed that lives in their house. This only presents a problem about three weeks a year when the dog loses about ten full bags of hair. Such an annual hair loss is called ...

shedding

### 18. Literary Forms

A written account of Ronald and Nancy Reagan's life together as written by their daughter is what form of literature?

biography

### 19. Circulation

Any major blood vessel that carries blood from the heart to other parts of the body is an ...

artery

### 20. Organs

What organ is described as a muscular bag, open at both ends, and shaped like a fat letter "J"?

stomach

## Millard Grade 3-4 Quiz Bowl - Practice Round 2 Page 3

### 21. Lakes

Ontario, Huron, and Erie are three of the five Great Lakes. Name the others.

Superior, Michigan

### 22. Parts of Speech

What is the third pronoun in this line?

The bone in his nose did not bother us so much as the bizarre vegetables he was tossing into our stew.

he

### 23. Machines

Spreading oil or grease between two surfaces that rub together is one way of reducing ...

friction

### 24. Hearst

What word is missing twice in this statement by William Randolph Hearst?

Please realize that the first duty of newspapermen is to get the ---- and print the ----.

news

### 25. Snakes

The two largest groups of snakes are constrictors. Name either group.

python, boa

### 26. Improper Fractions

Convert  $4 \frac{3}{5}$  into an improper fraction.

$\frac{23}{5}$

### 27. Astronomy

What term refers to the imaginary heavenly circle in which twelve major constellations lie?

zodiac

### 28. Speed

What unit used at sea is based on an old method of measuring speed by which sailors counted the number of knots in a rope played out over the stern in a given time?

knot

### 29. Special Rivers

Rivers of ice are called ...

glaciers

### 30. Palindromes

What one-word palindrome indicates a visual organ?

eye

## Millard Grade 3-4 Quiz Bowl - Practice Round 2 Page 4

### 31. The Alphabet

The name for which letter of the alphabet contains three syllables?

W.

### 32. Sets

Identify the elements of the set of fractions with numerators of 1 and whose denominators are whole numbers between 1 and 5.

$\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$

### 33. Fanciful Poems

According to Eugene Field, what tree and marvel of great renown blooms on the shore of the Lollypop Sea?

Sugar-Plum Tree

### 34. Production Proportions

If you can fabricate six doohickeys in two days, how many can you make in 9 days?

27

### 35. Bird Stories

Robert McCloskey's story that begins, "Mr. and Mrs. Mallard were looking for a place to live," is entitled "Make Way for ..."

Ducklings

### 36. Bodily Tissues

What tissue consists of sheets or bundles of cells capable of contracting and producing movement or tension?

muscle

### 37. Geometry

What could be defined as the number of square units that cover a geometric figure?

area

### 38. Measurement Problems

Subtract 7 feet 5 inches from 5 yards.

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

### 39. Temperature Changes

What was the original air temperature if a drop of 14 degrees brought the temperature to 74 degrees?

88 degrees

### 40. Mixtures

The mixture in a corral includes  $\frac{1}{3}$  goats and  $\frac{2}{3}$  sheep. What is the ratio of sheep to goats in the corral?

2 to 1

# *Knowledge Master*

## **Millard Grade 3-4 Quiz Bowl - Practice**

**Round 3  
2011**

## Millard Grade 3-4 Quiz Bowl - Practice Round 3 Page 1

**1. Punkin Chunkin**

The world's distance record for a 10-pound pumpkin shot from an air cannon is 4086 feet or how many yards?

1362

**2. Time Problems**

What time is it if it is 120 minutes to 4?

2 o'clock

**3. Money Math**

Five nickels weigh about one ounce. What is the value of fifty pounds of nickels?

\$200

**4. Storms**

What is another name for twisters?

tornadoes

**5. Expressions**

A situation that is deteriorating is going from bad to ...

worse

**6. Storms**

The centers of what kind of storms are called eyes?

hurricanes

**7. Working Watercraft**

What relatively small boats with powerful engines are used for towing or pushing large ships and barges?

tugboats (tugs)

**8. The Solar System**

This line is about what heavenly bodies?  
They are much smaller than the planets they orbit.

moons (satellites)

**9. Forms of Literature**

What kind of stories that have evolved around such characters as these?

Stormalong  
Joe Magarac  
Pecos Bill  
Paul Bunyan

tall tales (legends, folk tales)

**10. Cliches**

What word ends these cliches?  
tickled to ----  
bored to ----  
scared to ----

death

## Millard Grade 3-4 Quiz Bowl - Practice Round 3 Page 2

### 11. Number Sequences

What is the next number in this sequence?

10 7 4 1 ...

### 16. Poetry

What type of poem is this?

A tutor who tooted the flute

Tried to tutor two tooters to toot.

Said the two to the tutor,

"Is it harder to toot, or

To tutor two tooters to toot?"

-2

limerick

### 12. Cost Problems

What is the cost of 5 kilograms of used banana skins at \$.02 per gram?

### 17. Proofreading

What is the meaning of a proofreading symbol that looks like a backwards "P" with an extra vertical line?

\$100

paragraph

### 13. Matter

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

### 18. Processes

Name the process by which exposed film is chemically treated to produce an image.

liquid, solid

development (developing)

### 14. Pledge Verbs

What is the first verb in the Pledge of Allegiance?

### 19. Creativity

What adverb completes this Silverstein ditty?

Draw a crazy picture,

Write a nutty poem,

Sing a mumble-gumble song,

Whistle through your comb.

Do a loony-goony dance

'Cross the kitchen floor,

Put something silly in the world

That ain't been there ...

pledge

before (afore)

### 15. Sports

What is carried in a quiver?

### 20. The Revolution

The U.S. depended heavily on assistance from what nation to win the Revolutionary War?

arrows

France



## Millard Grade 3-4 Quiz Bowl - Practice Round 3 Page 3

### 21. The Celestial Sphere

Mel is standing at the North Pole. What star is at his zenith?

Polaris

### 26. Time Measures

How many years are in six and one-quarter decades?

62.5 (or 62 1/2)

### 22. Precipitation

During July in the Northern Hemisphere, the most common form of precipitation is ...

rain

### 27. Marsupials

Name the herbivorous marsupials of Australia with powerful hind legs and sturdy tails.

kangaroos

### 23. Literary Forms

Many of the famous people whose achievements shaped the modern world wrote about their own lives and times. Such books are called ...

### 28. Iron

Any body that has the property of attracting iron functions as a ...

magnet

### 24. Forests

What is the largest river that flows through the world's largest tropical rain forest?

autobiographies

### 29. The Constitution

The Bill of Rights is a list of changes to the Constitution called ...

amendments

### 25. 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.

Amazon

### 30. Insects

This insect is related to the grasshopper. It has a flat back, hard wing covers, and long antennae. The male has a roughened area on each wing cover by which it produces a chirp. Name this insect.

bald eagle

cricket

## Millard Grade 3-4 Quiz Bowl - Practice Round 3 Page 4

**31. Snakes**

Each time a diamondback sheds its skin, it gets a new ...

**36. Christmas Tunes**

What is the next line that follows this one in the Christmas song?  
He sees you when you're sleeping

**32. Reflexes**

What convulsive expulsion of air from the nose and mouth may send two to five thousand bacteria-filled droplets into the air?

rattle

He knows when you're awake

**37. State Initials**

You can spell the name of what animal with the first letters of the names of the continental U.S. states bordering the Pacific?

**33. Zoology**

Amphibians that somewhat resemble lizards are called ...

sneeze

cow

**38. Squaring Numbers**

Subtract the square of 20 from the square of 30.

**34. Colonial America**

Of the colonies that joined to form the United States in 1776, how many were British?

salamanders

500

**39. Parts of Speech**

What part of speech consists of words that connect and establish relationships between complete sentences or sentence elements?

**35. Literary Pachyderms**

Name Dr. Seuss' egg-hatching elephant.

13 (All of them.)

conjunctions

**40. Time and Math**

How many hours are in five days?