



Pristine #270 HS

**Minnesota Service Cooperatives
High School Knowledge Bowl**

Round # 4

8/10/06

© Academic Hallmarks

#1 Triangles

What kind of triangle could have sides of 32, 16, and 32 inches?

isosceles

#2 Aviation Vocabulary

What term indicates the speed of an aircraft greater than Mach 1?

supersonic

#3 Ceasefires

In 2006, after nearly forty years of bombings and shootings, the Basque separatist group ETA declared a permanent ceasefire in what country?

Spain

#4 11th-Century Watercraft

In their raids from the British Isles to North Africa, the Vikings used fleets of what lengthy, narrow vessels?

longships (longboats)

#5 Great Lakes States

Which U.S. state has the longest coastline along any of the Great Lakes?

Michigan

#6 Sedimentary Deposits

Very small dunes of sand or silt whose long dimension is at right angles to the current are called ...

ripples

#7 Fish Parts

Name the single vertical fin at the posterior of fish.

caudal(fin)

#8 Mysteries

Who wrote this in a mystery story?
I looked at Poirot in silent amazement. The colossal cheek of the little man! Who on earth but Poirot would have thought of a trial for murder as a restorer of conjugal happiness!

(Agatha) Christie

#9 Political Factions

George Mason, Elbridge Gerry, Patrick Henry, and George Clinton opposed adoption of the federal constitution. Collectively, they belonged to what political faction?

Anti-Federalists

p & p

#10 Angular Speed

A big wheel with a 16-foot radius is connected to a drive wheel with a 3-foot radius spinning at 180 revolutions per minute. The angular speed of the big wheel equals (9 pi) divided by how many radians per second?

8

#11 Wartime Nonfiction

These nonfictional works are about what war?
-To Negotiate or Bomb? Fulbright, Stennis, and their Hearings
-The Tet Offensive: Politics, War, and Public Opinion
-The Living Room War

Vietnam (War)

#12 Ballets

Sergei Prokofiev composed what ballet based on the biblical story of a young man who returns home after squandering his fortune?

The Prodigal Son

#13 Mideast Geography

The northern border of Saudi Arabia is formed by the borders of Kuwait, Iraq, and ...

Jordan

#14 Alkaloid Medications

The analgesic property of quinine means that it helps reduce what?

pain

#15 Reaction Rates

There are three main ways to alter an equilibrium system. You can change the concentration of one or more components, change the temperature, or change the ...

pressure

#16 Currencies

In 2002, what unit of currency replaced the Dutch guilder, the Greek drachma, the French franc, the Spanish peseta, and the Austrian shilling?

Euro

#17 Figurative Language in Songs

What figure of speech is illustrated in this verse?

Took my gal to the blacksmith shop
To have her mouth made small;
She turned around a time or two
And swallowed shop and all.

hyperbole (exaggeration)

#18 Statues

What state contributed statues of Sequoyah and Will Rogers to Statuary Hall?

Oklahoma

#19 Metric Conversions

5.90 times 10 to the negative fifth power kilometers equals how many centimeters?

5.90

#20 Latitudes

What tropic goes through Taiwan, India, China, Oman, the United Arab Emirates, and Saudi Arabia?

(Tropic of) Cancer

#21 Tiny Bundles

Some are round and some are polyhedral while others may look like spiky ovals, skinny sticks, bricks with rounded corners, or like bits of looped string. Name these tiny bundles of encapsulated genetic materials.

viruses

#22 Waterways

Sea-level canals join two bodies of water that are at the same elevation and the surface of the canal is at the same level throughout its course. Name the other type of canal with multiple surfaces at different elevations.

lock/canal

#23 Abbreviations

What is the abbreviation for "Sergeant"?

spell out => Sgt.

#24 Lava

Consisting only of vowels, what is the Hawaiian name for lava that has a rough, jagged, spiny, and generally clinkery surface?

aa

#25 Death Tolls

In May of 2006, some 6,200 people were killed by a massive earthquake in what country that also suffered the greatest number of casualties in the huge tsunami of 2004?

Indonesia

#26 Mark Twain Similes

What day of the week completes this line from "A Connecticut Yankee in King Arthur's Court"?

It was a soft, repositful summer landscape,
as lovely as a dream, and as lonesome as ...

Sunday

#27 Wind

According to the lyrics of a song in "Paint Your Wagon," what do they call the wind?

Mariah

P, P

#28 Combinations

Ron has 5 pairs of pants, 7 shirts, and 2 pairs of boots. How many different combinations of 1 pair of boots, 1 pair of pants, and 1 shirt can be made?

#29 Pendulums

What 17th-century scientist found that the period of a pendulum's swing is not affected by the length of the arc or the weight of the bob but only by the length of the line suspending the bob?

Galileo

#30 Color

A color with white added to raise or lighten its value is called a ...

tint

Score
#31 Time Reckoning

What calendar began with the flight of Mohammed to Medina?

Islamic calendar

P+P
#32 Herbicides

If one-sixteenth of the total amount of a herbicide remains in the soil after 240 days, what is the half-life of this poison?

60 days

#33 The Constitution

In the Preamble of the U.S. Constitution, what phrase comes between "establish justice" and "provide for the common defense"?

insure domestic tranquility

#34 Tourist Sites

These sites are in what state?
Chattahoochee National Forest
Fort Frederica National Monument
New Echota Historic Site
Okefenokee Swamp
Stone Mountain Park
Chickamauga National Military Park

Georgia

#35 Book Blurbs

This is about what novel?
In the spring of 1863, while engaged in the fierce battle of Chancellorsville in Virginia, a young Union soldier matures to manhood and finds peace of mind as he comes to grips with his conflicting emotions about war.

The Red Badge of Courage

#36 Trails

The first U.S. mail route to the West Coast was the Overland Mail Route named after the 19th-century transportation entrepreneur, John ...

Butterfield

p2p

#37 Algebraic Ratios

What is the value of q if $4/q = 21/5$?

20/21

#38 The Great Seal

What Latin phrase on the Great Seal of the United States, often mistranslated as "new world order," is more properly translated as "a new order of the ages"?

Novus Ordo Seclorum

#39 Missiles

The two main factors that determine the path of a ballistic missile when its fuel runs out are inertia and ...

gravity

#40 Journalism History

Joseph Stalin was once the editor what Communist newspaper?

Pravda

#41 Forests

An accumulation on the forest floor of dead leaves in various states of decomposition is called ...

litter

#42 Volcanoes

Material that is thrown out by a volcano, including pyroclastic material and lava bombs is collectively known as ...

ejecta

#43 Banking

Name the special container you can rent in a bank vault to hold valuable jewels, excess cash, or important documents.

safe (safety) deposit box

#44 Imaginative Novels

This is from what Robert Louis Stevenson story?

He put the glass to his lips and drank at one gulp. A cry followed. He reeled, staggered, and clutched at the table, staring with injected eyes, gasping with open mouth. And, as I looked, he seemed to swell and his face became suddenly black and the features seemed to melt and alter.

The Strange Case of Dr. Jekyll and Mr. Hyde

#45 Early Victories

In 1775, the first colonial victory in the American Revolution occurred when Ethan Allen's Green Mountain Boys captured what fort from the British?

(Fort) Ticonderoga

Score

#Alt #1 Trip Calculations

P2P

While traveling home from college, a trip of 350 miles, Moe rode a bus for two hours and a train for four hours. What was the average bus speed if the train averaged twenty miles per hour faster?

45 mph

#Alt #2 Chronic Disease

The progressive loss of function in what organ is associated with cirrhosis?

liver

#Alt #3 Big Basins

Practically all of what U.S. state lies within the Great Basin?

Nevada

#Alt #4 Military Conflicts

This is about what 20th-century conflict?
United States forces remained entrenched at the 38th parallel for two more years, at the cost of more than 50,000 American lives.

Korean War

#Alt #5 Grammar

What is this all about?

They are in the form of the verb but they are not verbs. They are adjectives. They end in "ing" or "ed" or "en."

participles

#Alt #6 Song Lyrics

According to the song, who can take tomorrow, dip it in a dream, separate the sorrow, and collect up all the cream?

the candyman

#Alt #7 Science History

In 1938, Otto Hahn and Fritz Strassmann split the nuclei of uranium atoms into roughly equal pieces. This was the first demonstration of what kind of nuclear reaction?

fission