

GPS Assessment

YET Program pre-test

Name: _____

Grade: _____

School: _____

Age: _____

Date: _____

Math and Science Knowledge

Directions: Carefully read the following questions and indicate which answer you believe is most accurate.

- ___1. What does GPS stand for?
 - a. Geospatial Partition System
 - b. Global Positioning System.
 - c. Great Planning System.
 - d. Geographic Police System

- ___2. What is Latitude?
 - a. The distance east or west after the prime meridian.
 - b. The way we measure the distance between A and B.
 - c. The distance north or south of the equator.
 - d. The direction that a plane travels in a sky.

- ___3. What is Longitude?
 - a. The distance east or west of the prime meridian.
 - b. The way we measure the distance between A and B.
 - c. The distance north or south of the equator.
 - d. The direction that a plane travels in the sky.

- ___4. How many satellites does it take to have a 3D?
 - a. 2
 - b. 3
 - c. 1
 - d. 4

- ___5. How many satellites are there in the Nav Star System?
 - a. 29
 - b. 16
 - c. 39
 - d. 10

- ___6. What is a GPS Satellite?
 - a. A transmitter in the sky that broadcasts TV signals to GPS units.
 - b. A transmitter on the ground used to help people navigate from A to B.
 - c. A transmitter in the sky that takes pictures and sends them to GPS units.
 - d. A transmitter in the sky that sends radio signals to GPS units.

- ___7. What is the purpose of GPS?
 - a. To help people find the location of others.
 - b. To view TV channels in a remote location.
 - c. To help people identify where they are and how to navigate from one point to another
 - d. To help people acquire current weather information.

9/22/2004

Perkins, Radhakrishna, Hoy (2004)

- ___8. Who developed the GPS system?
- Joe Paterno
 - The Garmin Corporation
 - The Microsoft Corporation
 - The U.S. Military
- ___9. What is a waypoint?
- An intermediate position on your navigational map.
 - The path you use to get from point A to point B.
 - The direction that the unit indicates you are to point.
 - A point halfway between your starting and ending point.
- ___10. Which of the following is not a type of compass?
- Base plate
 - Mirror
 - Calibrator
 - Lensatic
- ___11. What is Geocaching?
- An advance Geography book.
 - A high tech treasure hunt.
 - A type of map.
 - A term used for getting money out of an ATM.
- ___12. What is a legend in navigation terms?
- A story that has been told for years and years.
 - The section on a box that gives you nutritional values of food.
 - The model of a European car.
 - A section on a map that gives you distance and direction information.

GPS Post-Assessment

YET Program GPS post-test

Name: _____

Grade: _____

School: _____

Age: _____

Date: _____

Math and Science Knowledge

Directions: *Carefully read the following questions and indicate which answer you believe is most accurate.*

- ___ 13. What does GPS stand for?
- Geospatial Partitian System
 - Global Positioning System.
 - Great Planning System.
 - Geographic Police System
- ___ 14. What is Latitude?
- The distance east or west after the prime meridian.
 - The way we measure the distance between A and B.
 - The distance north or south of the equator.
 - The direction that a plane travels in a sky.
- ___ 15. What is Longitude?
- The distance east or west of the prime meridian.
 - The way we measure the distance between A and B.
 - The distance north or south of the equator.
 - The direction that a plane travels in the sky.
- ___ 16. How many satellites does it take to have a 3D?
- 2
 - 3
 - 1
 - 4
- ___ 17. How many satellites are there in the Nav Star System?
- 29
 - 16
 - 39
 - 10
- ___ 18. What is a GPS Satellite?
- A transmitter in the sky that broadcasts TV signals to GPS units.
 - A transmitter on the ground used to help people navigate from A to B.
 - A transmitter in the sky that takes pictures and sends them to GPS units.
 - A transmitter in the sky that sends radio signals to GPS units.
- ___ 19. What is the purpose of GPS?
- To help people find the location of others.
 - To view TV channels in a remote location.
 - To help people identify where they are and how to navigate from one point to another
 - To help people acquire current weather information.

9/22/2004

Perkins, Radhakrishna, Hoy (2004)

- ___20. Who developed the GPS system?
- Joe Paterno
 - The Gavim Corporation
 - The Microsoft Corporation
 - The U.S. Military
- ___21. What is a waypoint?
- An intermediate position on your navigational map.
 - The path you use to get from point A to point B.
 - The direction that the unit indicates you are to point.
 - A point halfway between your starting and ending point.
- ___22. Which of the following is not a type of compass?
- Baseplate
 - Mirror
 - Calibrator
 - Lensatic
- ___23. What is Geocaching?
- An advance Geography book.
 - A high tech treasure hunt.
 - A type of map.
 - A term used for getting money out of an ATM.
- ___24. What is a legend in navigation terms?
- A story that has been told for years and years.
 - The section on a box that gives you nutritional values of food.
 - The model of a European car.
 - A section on a map that gives you distance and direction information.