

- 1) What type of system do computers use, which is a digital system of 1s and 0s?  
(Session 1)
  - a) Binary
  - b) Binomial
  - c) Decimal
  - d) Bionics
  
- 2) All transportation systems have a similar structure. What three things do all systems use? (Session 1)
  - a) Computers, Vehicles, Power
  - b) Energy, Vehicles, Routes
  - c) Vehicles, Schedules, Energy
  - d) People, Vehicles, Fuel
  
- 3) What are the four major categories used to classify transportation? (Session 1)
  - a) Boats, Trains, Planes, Trucks
  - b) Private, Public, People, Goods
  - c) Water, Land, Air, Space
  - d) Planes, Trains, Automobiles, Boats
  
- 4) The steam engine has affected transportation more than any other invention. If false what is the correct answer? (Session 1 Slide 8)

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- a) True
  - b) False

Which of the following symbols and items would be found in an Atlas? (Look in Road Atlas)

- |                        |        |
|------------------------|--------|
| 5) _____ Cars          | a) No  |
| 6) _____ Legend        | b) Yes |
| 7) _____ Roads         |        |
| 8) _____ Construction  |        |
| 9) _____ Mileage Chart |        |
| 10) _____ Compass      |        |

11) Map makers always place the direction north at the top of the map. If false, what is the correct answer? (Road Atlas)

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- a) True
  - b) False

12) In the united states we use energy from many sources including coal, natural gas, oil and water. For what purpose is 25 percent of all energy used? (RCA 2 Pie Chart)

- a) Manufacturing
- b) Construction
- c) Transportation
- d) Communication

13) Which of the following words would be defined as "to move people and/or products from one place to another."? (RCA 2)

- a) Vehicular System
- b) Satellite
- c) Transportation
- d) Global Poisioning System

14) The Earth appears to be in a cage because of imaginary lines forming a grid around it. These lines are called \_\_\_\_\_ and \_\_\_\_\_ lines. (Session 2)

15) What does GPS Stand for? (Session 2 and Vocabulary)

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16) Satellites provide the most accurate way to do what? (Session 2)

- a) Fax
- b) Communicate
- c) Navigate
- d) Tell Magnetic North

17) An elevator has a capacity of 18 people or approximately 5,500 pounds. thirteen people enter the elevator. What must their approximate average weight be in order to fall below the weight limit?  
Show your work! (RCA 3)

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18) Radio signals travel at the speed of light (186,000 mi/sec). If the signal from a satellite reaches your gps in .087 seconds, how many miles is it to the satellite that sent it?  
The Formula is Distance= Time x Velocity. Show your work! (RCA 4)

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19) Which direction would you be heading if you are going from California to Wisconsin? (RCA 5 and Road Atlas)

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20) What machine has forced private and commercial forms of transportation to change? (Session 6)

- a) Satellite
- b) Fax Machine
- c) Rocket
- d) Computer