

## Solutions 1.

- ① Depth, mass, quadrant, primary element
- ② Depth: (quantitative) continuous  
Mass: (quantitative) discrete  
Quadrant: qualitative  
Primary Element: qualitative.
- ③ The soil sample
- ④ Make, model, number of occupants,  
number of seatbelts, distance displayed,  
diameter of tire.
- ⑤ 

Make	Qualitative
Model	Qualitative
# of occupants	(Quantitative) Discrete
# of seatbelts	(Quantitative) Discrete
Distance displayed on odometer	(Quantitative) Discrete
Diameter of front left tire	(Quantitative) Continuous

⑥ The car

- ⑦
- a) (Quantitative) Continuous
  - b) Qualitative
  - c) (Quantitative) Discrete
  - d) (Quantitative) Continuous

- ⑧
- a) (Quantitative) Discrete
  - b) Qualitative
  - c) (Quantitative) Discrete
  - d) Qualitative

- ⑨
- a) The set of lengths of stay for all patients that have been admitted
  - b) The set of lengths of stay from the 2000 records chosen.

- ⑩
- a) The set of masses of all drill bits manufactured today.
  - b) The set of masses of the 100 drill bits sampled.