

# Data Types and Samples Solutions

1. (a) Discrete  
(b) Continuous  
(c) Discrete  
(d) Discrete
2. (a) Continuous numerical  
(b) Continuous numerical  
(c) Discrete numerical  
(d) Discrete numerical  
(e) Nominal categorical
3. (a) Incorrect  
(b) Incorrect
4. (a) Qualatative  
(b) Quantatative  
(c) Qualatative  
(d) Quantatative  
(e) Quantatative  
(f) Quantatative  
(g) Quantatative
5. (a) Discrete  
(b) Continuous  
(c) Discrete  
(d) Continuous  
(e) Continuous  
(f) Continuous  
(g) Discrete
6. (a) Ratio  
(b) Ordinal  
(c) Interval

- (d) Ratio
  - (e) Nominal
7. (a) Continuous
- (b) Discrete
  - (c) Discrete
  - (d) Continuous
  - (e) Continuous
  - (f) Discrete
8. Critical Thinking Question
9. (a) A - 20, B - 35, C - 5, D - 10
- (b) Stratified random sample
10. (a) Systematic random sampling
- (b) Cluster sampling
  - (c) Quota sampling
11. (a) Simple random sampling
- (b) Convenience sampling
  - (c) Census
12. No
13. (a) Yes
- (b) Use a stratified random sample
14. (a) Cluster
- (b) Systematic
  - (c) Random
  - (d) Systematic
  - (e) Stratified
15. d.