

Your Results for: "Multiple choice questions"

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Site Title: An Introduction to Geographical Information Systems, fourth edition

Book Title: An Introduction to Geographical Information Systems, fourth edition

Book Author: Heywood et al

Location on Site: Student Resources > Chapter 10: Data quality issues > Multiple choice questions

Date/Time Submitted: May 29, 2019 at 2:54 PM (UTC/GMT)

Summary of Results

100% Correct of 24 Scored items:

24 Correct: 100%

0 Incorrect: 0%

[More information about scoring](#)

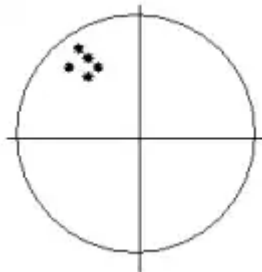
1. **CORRECT** What is meant by the term 'accuracy'?

Your Answer: The extent to which a value approaches its true value.

2. **CORRECT** What is meant by the term 'precision'?

Your Answer: The level of detail at which data is stored.

3. **CORRECT**



Looking at the above rifle target, how would you describe the shooting of this contestant?

Your Answer: Inaccurate and precise.

4. **CORRECT** What is meant by the term 'data quality'?

Your Answer: The inherent quality of the data as characterized by its accuracy, precision, bias, level of error, etc.

5. **CORRECT** What is a mental map?

Your Answer: A personalized and internal representation of a particular geography.

6. **CORRECT** Which of the following are important sources of error in cartographic products?

Your Answer: Generalization.

Fuzzy boundaries.

Scale.

7. **CORRECT** Which of the following may be caused by error in manual digitizing?

Your Answer: Overshoot and undershoot.

Spikes.

Switch-backs.

8. **CORRECT** What is positional error?

Your Answer: Error associated with displacement of the object from its true location.

9. **CORRECT** What is attribute uncertainty?

Your Answer: Error due to incorrect labelling or quantification of features.

10. **CORRECT** Which of the following errors may be introduced during rasterization of vector data?

Your Answer: Loss of small polygons.

Changes in polygon area and/or line length.

Topological errors.

11. **CORRECT** What is the MAUP?

Your Answer: Modifiable Areal Unit Problem.

12. **CORRECT** What are sliver polygons?

Your Answer: Long, thin polygons created when overlaying a common boundary that has been digitized twice.

13. **CORRECT** What is Monte Carlo simulation?

Your Answer: A method for simulating the effects of positional error on a GIS analysis.

14. **CORRECT** Which of the following are important pieces of lineage information?

Your Answer: Age of the source document.

Scale of the source document.

Resolution of the digitizer used.

15. **CORRECT** If a 1:625,000 scale map is digitized to an accuracy of $\pm 0.5\text{mm}$, what level of error might be expected in ground units?

Your Answer: ± 312.5 metres.

16. **CORRECT** A rain gauge recoding data to 5 decimal places is producing precise data.

Your Answer: True

17. **CORRECT** Bias is a consistent error through a dataset.

Your Answer: True

18. **CORRECT** Cartographic generalisation will not produce errors in map data.

Your Answer: False

19. **CORRECT** The assumptions of the vector data model, that all features can be represented by Cartesian coordinates, leads to errors of representation.

Your Answer: True

20. **CORRECT** Measurements from paper maps can be regarded as 100% accurate.

Your Answer: False

21. **CORRECT** Psychological errors are a category of digitising error.

Your Answer: True

22. **CORRECT** The mis-classification of cells in a raster data set is called 'noise'.

Your Answer: True

23. **CORRECT** The orientation of a raster grid during rasterization will have no effect on the resulting data.

Your Answer: False

24. **CORRECT** Sliver polygons can lead to classification errors.

Your Answer: True

E-mail Your Results

My name is (first last):

E-mail my results to:

	E-mail address:	Send as:
<input type="checkbox"/> Me	<input type="text"/>	<input type="text" value="Text"/>
<input type="checkbox"/> Instructor	<input type="text"/>	<input type="text" value="Text"/>
<input type="checkbox"/> TA	<input type="text"/>	<input type="text" value="Text"/>
<input type="checkbox"/> Other	<input type="text"/>	<input type="text" value="Text"/>

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