

# EADP19-001<sup>Q&As</sup>

ArcGIS Desktop Professional 19-001

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### QUESTION 1

An ArcGIS user needs to classify 25 different vegetation types. The user has a single band, 20- meter resolution image with 10-meter spatial accuracy. Which type of accuracy is the data lacking?

- A. Horizontal
- B. Spectral
- C. Vertical
- D. Spatial

Correct Answer: B

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### QUESTION 2

An ArcGIS administrator is creating a custom toolbar containing tools commonly used throughout the administrator's organization. The tools include browsing, querying, and editing tools. All tools will be located on a single custom toolbar.

How can this custom toolbar be designed to maximize efficiency?

- A. by grouping commands to visually separate those used for different tasks
- B. by placing the tools in context menus organized by tool type
- C. by creating a geoprocessing model for each tool type
- D. by combining the core toolbars after removing unnecessary tools

Correct Answer: A

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### QUESTION 3

After the ground water in the local community was contaminated by a landfill, the health department requested a map showing the cancer rate for each postal code. An ArcGIS user is provided a file geodatabase feature class (FeatureClassA) that has been joined to a cancer rate table (TableB). The cancer rate table does not have data for each postal code in the study and also contains data outside the study area creating null values. To eliminate the null values from being symbolized.

Which exclusion query should be used?

- A. (FeatureClassA OBJECTID is Not Null) and (TableB.cancerrate is Not Null)
- B. ("FeatureClassA OBJECTID" is Not Null) and (TableB.cancerrate is Not Null)
- C. ("FeatureClassA OBJECTID". "TableB.cancerrate" is Not Null)
- D. ("FeatureClassA OBJECTID" and "TableB.cancerrate" is Not Null)

Correct Answer: A

#### QUESTION 4

A raster contains pixels with decimal values.

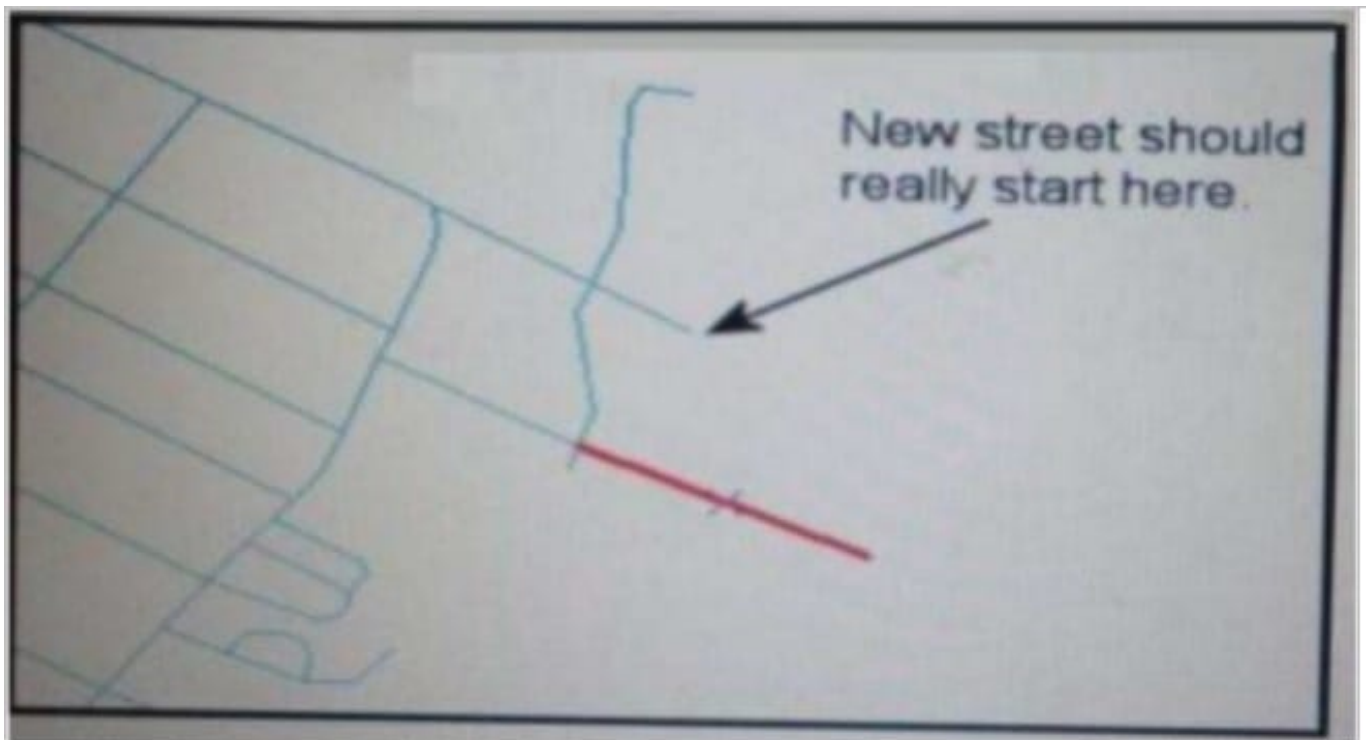
Which method is used to round raster pixel values to the nearest whole number?

- A. use the Round Up tool (Spatial Analyst), then the Round Down tool (Spatial Analyst)
- B. use the Round Down tool (Spatial Analyst), then the Round Up tool (Spatial Analyst)
- C. use the Plus tool (Spatial Analyst) to add 1. then the Minus tool (Spatial Analyst) to subtract 0.5
- D. use the Plus tool (Spatial Analyst) to add 0.5, then the int tool (Spatial Analyst) to truncate to the nearest integer

Correct Answer: B

#### QUESTION 5

Refer to the exhibit.



An ArcGIS user added a new street (shown in the exhibit) to a streets feature class within an edit session.

The new street seems to have snapped to an existing street but upon zooming in the ArcGIS user notices that the street is connected to the wrong street.

What is the most likely reason for this error?

- A. The street was digitized at a scale that was too small
- B. The street was digitized at a scale that was too large
- C. The snapping tolerance was set to Low
- D. Edge snapping was turned on Instead of end snapping

Correct Answer: D

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#### QUESTION 6

An ArcGIS user decides to use labels in a map document because the annotation appears pixelated as the user zooms from the reference scale.

What Is a potential effect of this decision?

- A. Label placement will be controlled by the user
- B. Text placement will become static
- C. Labels will only draw at the reference scale
- D. The map will render more slowly

Correct Answer: C

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#### QUESTION 7

An ArcGIS user created a geoprocessing script in which the output layer's symbology property is set to an existing layer file. The user intends to share the tool with another ArcGIS user. How can the user share the script tool while maintaining the symbology in the output layer?

- A. Share the script tool while the symbology layer file embedded in it
- B. Publish the script tool as a geoprocessing service to ArcGIS Server
- C. Distribute the Toolshare folder containing the script tool and related data
- D. Upload the script tool as a model to an FTP site

Correct Answer: B

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#### QUESTION 8

A water utility company had received calls from several customers complaining of low water pressure.

Using a geometric network representing the water network, how can an ArcGIS user determine the most likely location of the problem?

- A. place junction flags on each customer water meter and use the Find Common Ancestors trace task
- B. place junction flags on each customer water meter and use the Find Disconnected trace task
- C. place a junction barrier on each customer water meter and use the Trace Upstream trace task
- D. place a junction barrier on each customer water meter and use the Find Path upstream trace task

Correct Answer: A

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#### QUESTION 9

An ArcGIS user needs to create a map of flood zones for an insurance company. The user has a choice of four elevation data sets to perform the analysis.

USGS 30-meter DEM SRTM 90-meter DEM Lidar 5-meter DEM 30-meter DEM derived from stereo imagery

Which type of elevation dataset will create the most accurate flood zones?

- A. USGS 30 meter DEM
- B. SRTM 90 meter DEM
- C. Lidar5-meter DEM
- D. 30-meter DEM derived from stereo imagery

Correct Answer: A

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#### QUESTION 10

An ArcGIS user has a soils polygon shapefile.

Which conversion is necessary in order to ensure that the soil polygons do NOT overlap or have gaps?

- A. converting the shapefile to a stand-alone polygon feature class within a geodatabase
- B. converting the shapefile to a polygon=feature class within a geodatabase feature dataset
- C. converting the shapefile to a raster dataset within the geodatabase
- D. converting the shapefile to a terrain dataset with the geodatabase

Correct Answer: B

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#### QUESTION 11

An ArcGIS user runs a geoprocessing tool and wants to create code in the Python window that repeats the process. In which two ways can the user generate Python code from the results window? (Choose two)

- A. copy a tool as Python snippet and paste it into the Python window
- B. copy an environment setting value into the Python window
- C. copy and paste messages to the Python window
- D. drag a previously executed tool to the Python window

Correct Answer: AD

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#### QUESTION 12

When converting a raster dataset to a polygon feature class, which parameter choice would result in polygon boundaries that most obviously reflect the cell shape of the raster input data source?

- A. Simplify polygons checked
- B. Simplify polygons unchecked
- C. pyramid resampling technique set to cubic
- D. tile size block set to 128

Correct Answer: B

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#### QUESTION 13

The ArcGIS user is given data for the Arctic and is asked to perform various types of analysis using the data. The data extends from the North Pole south to 70 degrees North Latitude. Data layers may contain points, lines, or polygons, and include ice surveys from NOAA, depth contours, continental margins, locations of known and suspected oil reserves, endangered species habitat, and territorial boundaries for nations having Arctic coastline.

Which map projection should be used for the data to allow the most accurate buffering of those areas, in order to comply with the U.S. court decision that ships may not approach closer than 20 nautical miles to a seal rookery?

- A. azimuthal equidistant
- B. polar stereographic
- C. gnomonic
- D. Lambert azimuthal

Correct Answer: C

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#### QUESTION 14

An ArcGIS user runs the Central Feature geoprocessing tool on a polygon feature class. The output feature is far north of the center of the feature class.

Why is the output feature off center of the feature class?

- A. There are more polygons in the northern part of the feature class
- B. The polygons in the northern part of the feature class are larger
- C. The feature class is not in the same projection as the data frame
- D. A weight field is not specified

Correct Answer: D

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#### QUESTION 15

Using the Spatial Analyst IDW (Inverse Distance Weighted) tool an ArcGIS user interpolates a point feature class to a raster. The user notices that some high point values near the edge of the feature class seem to have a dramatic effect on the output.

This occurs even in areas that are far from the high edge values.

Which two parameters should the user consider changing in the IDW tool? (Choose two)

- A. z-value field
- B. search radius
- C. power
- D. output cell size
- E. weight

Correct Answer: DE

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