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1. Which type of tool can analyze data from multiple databases and is optimized for both analysis and processing? 1 / 1 point

- ☒ Online Analytical Processing (OLAP)
- ☐ Data lake
- ☐ Online Transaction Processing (OLTP)
- ☐ Data mart

☒ Correct

2. Business intelligence professionals use design patterns to apply relevant measures and facts to what process? 1 / 1 point

- ☒ Creating a data model
- ☐ Aggregating data
- ☐ Setting user permissions
- ☐ Selecting computing systems

☒ Correct

3. Which of the following statements accurately describe primary keys? Select all that apply. 1 / 1 point

- ☐ Several primary keys can exist in a table.
- ☒ Only one primary key can exist in a table.

☒ Correct

- ☒ Primary keys can appear as foreign keys in other tables.

☒ Correct

- ☒ A primary key uniquely identifies each record in a table.

☒ Correct

4. In a dimensional model, what might facts represent? Select all that apply.

1 / 1 point

☒ Metrics

☒ Correct

☒ Events

☒ Correct

☐ Supporting details

☐ Attributes

5. In a dimensional model, what is used to connect a dimension table to the appropriate fact table?

1 / 1 point

☐ Index

☐ Data map

☒ Foreign key

☐ Primary key

☒ Correct

6. In a snowflake schema, what is used to break down the schema into even more specific tables? Select all that apply.

1 / 1 point

☐ Fact tables

☒ Subdimensions

☒ Correct

☐ Query plans

☒ Dimensions

☒ Correct

7. A business intelligence team is performing a database migration to improve the state of their database schemas. Which of the following activities may occur during their database migration? Select all that apply.

1 / 1 point

☐ Maintaining data in its original source platform

☒ Splitting existing data fields

☒ Correct

☒ Adding new data tables

☒ Correct

☒ Changing data types

☒ Correct

8. In row-based databases, each row in a table is an instance or an entry in the database. How are details about that instance recorded and organized?

0 / 1 point

- ☐ By column
- ☐ By table
- ☐ By field
- ☒ By row

☒ Incorrect

Review [the video about the aspects of databases](#).

9. A business intelligence team is working with a database system that is a collection of data systems spread across multiple physical locations. What type of database system are they using?

1 / 1 point

- ☒ Distributed database system
- ☐ Combined database system
- ☐ Separated storage and computing system
- ☐ Single-homed database system

☒ Correct

10. Fill in the blank: A database schema must describe ____ because this is necessary when users want to understand how the data is shaped and the relationships within the database.

1 / 1 point

- ☒ relevant data
- ☐ business rules
- ☐ data partitions
- ☐ system commands

☒ Correct

11. In the ETL loading stage, what are typical target destinations to which the data might be delivered? Select all that apply.

1 / 1 point

☒ Data lake

☒ Correct

☐ Website application

☒ Data warehouse

☒ Correct

☒ Analytics platform

☒ Correct

12. What type of programming language uses another program to read and execute coded instructions?

1 / 1 point

☐ Object-oriented

☐ Functional

☐ Compiled

☒ Interpreted

☒ Correct