# 1.

Which of the following is the best description of why it is important to learn about the foundations in big data?

○

Since foundations can be retained for a long time, Hadoop should be learned.

○

Foundations stand the test of time.

○

Understanding of practical concepts in Hadoop allows solid foundation.

◉

Foundations allow understanding of practical concepts in Hadoop.

**Correct Response**
See this video to review.

# 2.

What is the benefit of a commodity cluster?

○

Much faster than a traditional super computer.

○

Prevents network connection failure.

◉

Cost Effective

**Correct Response**
See this video to review.

○

Prevents individual component failures.

# 3.

What is a way to enable fault tolerance?

○

Distributed Computing

○

System Wide Restart

○

Better LAN Connection

◉

Data-Parallel Job Restart

**Correct Response**
See this video to review.

# 4.

What is **NOT** a benefit specific to a distributed file system?

○

High Fault Tolerance

○

Data Scalability

○

High Concurrency

◉

Large Storage

**Correct Response**

This is not a benefit specific to DFS, it is a benefit to long-term information storage, which is a more general idea. See this video to review.

# 5.

Which of the following is **NOT** a general requirement for a programming language in order to support big data models?

○

Support Big Data Operations

◉

Utilize Map Reduction Methods

**Correct Response**
See this video to review.

○

Optimization of Specific Data Types

○

Handle Fault Tolerance

○

Enable Adding of More Racks