What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

To prepare for the migration:	▼
To perform the migration, use:	▼

Correct Answer:

Answer Area

To prepare for the migration:	Create a SQL Server 2019 Always On availability group on VM1. ▼
To perform the migration, use:	Azure Migrate ▼

QUESTION 116
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure SQL database named Sales.

You need to implement disaster recovery for Sales to meet the following requirements:

▪ During normal operations, provide at least two readable copies of Sales.
▪ Ensure that Sales remains available if a datacenter fails.

Solution: You deploy an Azure SQL database that uses the General Purpose service tier and geo-replication.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Explanation:
Instead deploy an Azure SQL database that uses the Business Critical service tier and Availability Zones.

Note:
Premium and Business Critical service tiers leverage the Premium availability model, which integrates compute resources (sqlservr.exe process) and storage (locally attached SSD) on a single node. High availability is achieved by replicating both compute and storage to additional nodes creating a three to four-node cluster.

By default, the cluster of nodes for the premium availability model is created in the same datacenter. With the introduction of Azure Availability Zones, SQL Database can place different

replicas of the Business Critical database to different availability zones in the same region. To eliminate a single point of failure, the control ring is also duplicated across multiple zones as three gateway rings (GW).
Reference:
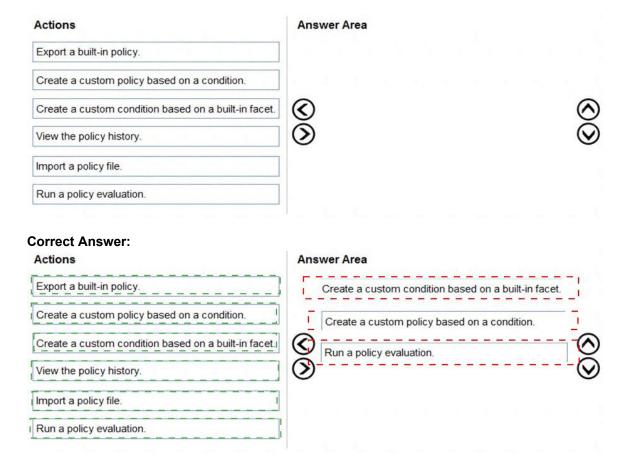https://docs.microsoft.com/en-us/azure/azure-sql/database/high-availability-sla

QUESTION 117
DRAG DROP
You have SQL Server on an Azure virtual machine.

You need to use Policy-Based Management in Microsoft SQL Server to identify stored procedures that do not comply with your naming conventions.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Export a built-in policy.	
Create a custom policy based on a condition.	
Create a custom condition based on a built-in facet.	
View the policy history.	
Import a policy file.	
Run a policy evaluation.	

Correct Answer:

Actions	Answer Area
Export a built-in policy.	Create a custom condition based on a built-in facet.
Create a custom policy based on a condition.	Create a custom policy based on a condition.
Create a custom condition based on a built-in facet.	Run a policy evaluation.
View the policy history.	
Import a policy file.	
Run a policy evaluation.	

QUESTION 118
You have 20 Azure SQL databases provisioned by using the vCore purchasing model.

You plan to create an Azure SQL Database elastic pool and add the 20 databases.

Which three metrics should you use to size the elastic pool to meet the demands of your

workload? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. total size of all the databases
B. geo-replication support
C. number of concurrently peaking databases * peak CPU utilization per database
D. maximum number of concurrent sessions for all the databases
E. total number of databases * average CPU utilization per database

Correct Answer: ACE
Explanation:
CE: Estimate the vCores needed for the pool as follows:

For vCore-based purchasing model: MAX(<Total number of DBs X average vCore utilization per DB>, <Number of concurrently peaking DBs X Peak vCore utilization per DB)

A: Estimate the storage space needed for the pool by adding the number of bytes needed for all the databases in the pool.

Reference:
https://docs.microsoft.com/en-us/azure/azure-sql/database/elastic-pool-overview

QUESTION 119
You are designing a star schema for a dataset that contains records of online orders. Each record includes an order date, an order due date, and an order ship date.

You need to ensure that the design provides the fastest query times of the records when querying for arbitrary date ranges and aggregating by fiscal calendar attributes.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a date dimension table that has a DateTime key.
B. Create a date dimension table that has an integer key in the format of YYYYMMDD.
C. Use built-in SQL functions to extract date attributes.
D. Use integer columns for the date fields.
E. Use DateTime columns for the date fields.

Correct Answer: BD
Explanation:
https://community.idera.com/database-tools/blog/b/community_blog/posts/why-use-a-date-dimension-table-ina-data-warehouse

QUESTION 120
You have an Azure virtual machine named VM1 on a virtual network named VNet1. Outbound traffic from VM1 to the internet is blocked.

You have an Azure SQL database named SqlDb1 on a logical server named SqlSrv1.

You need to implement connectivity between VM1 and SqlDb1 to meet the following

requirements:

▪ Ensure that VM1 cannot connect to any Azure SQL Server other than SqlSrv1.
▪ Restrict network connectivity to SqlSrv1.

What should you create on VNet1?

A. a VPN gateway
B. a service endpoint
C. a private link
D. an ExpressRoute gateway

Correct Answer: B
Explanation:
Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network.

Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary.

Reference:
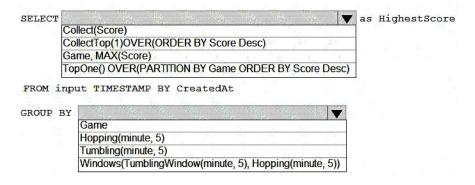https://docs.microsoft.com/en-us/azure/private-link/private-link-overview

QUESTION 121
HOTSPOT
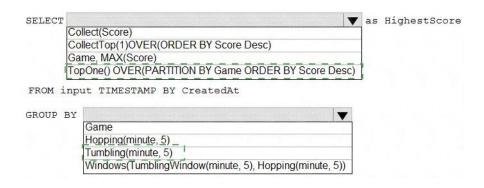You are building an Azure Stream Analytics job to retrieve game data.

You need to ensure that the job returns the highest scoring record for each five-minute time interval of each game.

How should you complete the Stream Analytics query? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
SELECT  [                                  ▼]  as HighestScore
          Collect(Score)
          CollectTop(1)OVER(ORDER BY Score Desc)
          Game, MAX(Score)
          TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)

  FROM input TIMESTAMP BY CreatedAt

GROUP BY  [                        ▼]
            Game
            Hopping(minute, 5)
            Tumbling(minute, 5)
            Windows(TumblingWindow(minute, 5), Hopping(minute, 5))
```

Correct Answer:

```
SELECT [                                               ▼ ] as HighestScore
       Collect(Score)
       CollectTop(1)OVER(ORDER BY Score Desc)
       Game, MAX(Score)
       TopOne() OVER(PARTITION BY Game ORDER BY Score Desc)

FROM input TIMESTAMP BY CreatedAt

GROUP BY [                                    ▼ ]
         Game
         Hopping(minute, 5)
         Tumbling(minute, 5)
         Windows(TumblingWindow(minute, 5), Hopping(minute, 5))
```
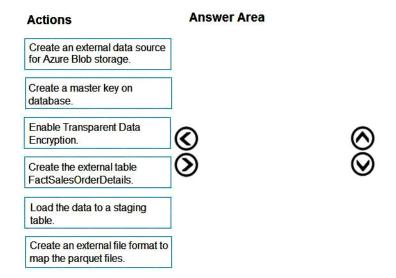
QUESTION 122
DRAG DROP
You are creating a managed data warehouse solution on Microsoft Azure.

You must use PolyBase to retrieve data from Azure Blob storage that resides in parquet format and load the data into a large table called FactSalesOrderDetails.

You need to configure Azure Synapse Analytics to receive the data.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Create an external data source for Azure Blob storage.
- Create a master key on database.
- Enable Transparent Data Encryption.
- Create the external table FactSalesOrderDetails.
- Load the data to a staging table.
- Create an external file format to map the parquet files.

Answer Area

Correct Answer: