

## MB-320<sup>Q&As</sup>

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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**QUESTION 1**

A company that makes artisan chocolate has implemented Dynamics 365 Supply Chain Management.

The top selling chocolate bar for the company must contain 85 percent cocoa. The cocoa can be obtained from either cocoa beans, cocoa butter or a combination of both, depending on supply at the time of production. The top three substitutions for the cocoa butter ingredient are configured in the system.

When you run master planning, all substitutions are out of stock at the manufacturing plant, but in stock at a secondary warehouse.

You need to process the planned orders.

Which type of planned order would be generated?

- A. Sales order
- B. Transfer order
- C. Purchase order
- D. Production order

Correct Answer: B

Explanation:

You can use warehouse levels to create a hierarchy that supports transfer orders between warehouses. Based on this setup, master scheduling calculates item requirements at the individual warehouse level and generates planned transfer

orders from an assigned source warehouse to fulfill them.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/warehousing/transfer-orders-warehouse>

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**QUESTION 2**

You need to plan scheduling for Customer1s

Correct Answer: AD

Explanation:

A: Finite and infinite capacity

When you consider capacity in production scheduling, you can select from two different methods:

Infinite - Unlimited capacity Finite - Limited capacity

When finite capacity is used, scheduling is influenced by the fact that the total load on the resource must not be greater than the capacity of the resource. Available time is defined as an interval when the resource, according to its calendar, is open and no other reservations are on capacity.

D: Operations or job scheduling that is based on finite (limited) capacity depends on the actual capacity that is available in the resource group or resource. If finite capacity is not defined on the resource or resource group, it is of no relevance if it is selected during scheduling because the resource or group setup overrides the scheduling setup. In other words, selecting finite capacity on the resources and resource groups is a prerequisite for them being considered as having finite capacity.

The strategy behind this functionality is that only bottleneck resources and groups are set up to operate with finite capacity, whereas scheduling of the other resources and groups reflects the possibility of increasing the capacity, for example,

with overtime.

Note: Customer1 orders 20 barrels of unscented solution. The order is confirmed. Production must be scheduled to start on December 21 to meet the customers delivery deadline.

The production quantity for the finished unscented liquid cleaning solution is 40 liters. IngredientC for unscented liquid cleaning solution is stored in inventory in 50-liter barrels and allocated in 50-liter increments. Two barrels of IngredientC are used to produce a barrel of unscented liquid cleaning solution.

Incorrect:

Not E: Coverage time fences

Planners can define the planning horizon (the coverage time fence in days), and exclude supply and demand that falls beyond that horizon. Therefore, coverage time fences help prevent "noise" that is caused by supply suggestions that you

don't have to react to for months. Examples include next year's forecast and customer orders that are placed far beyond the normal lead time.

A coverage time fence is the number of days after today's date (or, more precisely, the date when you do the planning run) that supply and demand is excluded. To help avoid delays, you must ensure that the coverage time fence is longer than the total lead time. The default system value is 100 days.

Reference:

<https://learn.microsoft.com/en-us/training/modules/work-capacity-planning-scheduling-discrete-dyn365-supply-chain-mgmt/2-scheduling-options>

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### QUESTION 3

#### HOTSPOT

A manufacturing company uses Dynamics 365 Supply Chain Management.

The company identifies a bill of materials (BOM) item that needs to be recalled for a product

The engineering department needs to link customer support incidents and knowledgebase articles related to the product change.

Other items affected by this change must reference the same support incidents and knowledgebase articles.

You need to recommend features to facilitate this business process.

Which features should you recommend? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

| Action                                                   | Feature                                                                                                                                                     |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document the changes.                                    | <ul style="list-style-type: none"><li>Case management</li><li>BOM version</li><li>Case management</li><li>Workflow</li><li>Document management</li></ul>    |
| Associate the other items to the knowledgebase articles. | <ul style="list-style-type: none"><li>Product change</li><li>Product change</li><li>Where-used</li><li>Where-linked products</li><li>BOM designer</li></ul> |

Correct Answer:

| Action                                                   | Feature                                                                                                                                                     |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document the changes.                                    | <ul style="list-style-type: none"><li>Case management</li><li>BOM version</li><li>Case management</li><li>Workflow</li><li>Document management</li></ul>    |
| Associate the other items to the knowledgebase articles. | <ul style="list-style-type: none"><li>Product change</li><li>Product change</li><li>Where-used</li><li>Where-linked products</li><li>BOM designer</li></ul> |

**QUESTION 4**

You need to configure costing for raw materials used to manufacture unscented cleaning solution.

Which form should you use?

## Case Study Title (Case Study):

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to

ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is

described in the case study. Each question is

independent of the other question on this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question on this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business

requirements, existing environment, and problem statements.

If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Current environment Products manufactured

Cleaning equipment

1.

- floor cleaner

2.

- pressure washers

3.

- scrubbers

4.

- vacuums

Liquid cleaning solutions

1.

- No scent

2.

- Orange scent (subcontracted to a vendor named VendorA)

3.

- Pine scent (subcontracted to a vendor named VendorA)

The production quantity for the finished unscented liquid cleaning solution is 40-liters. IngredientC for unscented liquid cleaning solution is stored in inventory in 50-liter barrels and allocated in 50-liter increments. Two barrels of IngredientC are used to produce a barrel of unscented liquid cleaning solution.

Production sites

The Eastern United States facility manufactures equipment.

The Western United States facility manufactures liquid cleaning solutions.

Raw materials and finished products are stocked at the warehouse and distributed from the warehouse.

Warehouse facilities

The warehouse consists of the following zones:

| Zone | Description                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | This zone stores parts and materials for manufacturing machine equipment and finished products. It consists of four aisles, five shelves, and 20 bins. |
| 2    | This zone stores barrels of liquid raw material and finished products. It consists of five aisles and 20 shelves.                                      |

RequirementsCleaning equipment manufacturing

You identify the following requirements for manufacturing cleaning equipment:

1.

Production is Make to Stock and must be scheduled at an operational level.

2.

Machine equipment is produced on an assembly line. Scheduling must be based on production orders.

3.

Finished products must be packaged and shipped directly from the warehouse.

4.

To reduce delivery times and excess inventory, equipment must be produced as needed.

5.

The ability to schedule production must be based on resource capacity and the availability of required material.

6.

Production order operations must be scheduled to start only when capacity and materials are available at the same time and in the required quantities.

Liquid cleaning solution manufacturing

1.

Production is Make to Order and is scheduled at the job level Products must be manufactured in batches.

2.

Finished products must be packaged and shipped directly from the warehouse.

3.

You must be able to calculate the estimated consumption of ingredients and ensure that the amount is divisible by the number of units the raw material is available.

4.

Formula changes must be reviewed and approved. You must ensure that approved formulas cannot be deleted or edited. Approved formulas may be deactivated.

5.

An ingredient used to manufacture unscented cleaning solution is defined as a restricted product.

6.

You must be able to automatically print a product safety data sheet (PSDS) with the packing slip for any order that includes unscented cleaning solution.

7.

Production must be schedule to start by date and time according to the order that is specified by the production route.

You must implement a scheduled Kanban rule that meets the following requirements:

1.

Prevent overloading a work cell for scheduled Kanbans.

2.

Visualize excess inventory in a supermarket.

3.

Store products in supermarkets before they are consumed or shipped.

4.

You must link relevant financial dimension data to the inventory transactions at each site to ensure that you can trace profit and loss figures directly to East site and West site respectively.

5.

You must set up production operations for sub-contracting of Pine scent and Orange scent solution to VendorA to ensure that a purchase order is automatically created base on estimation of a production order.

#### Costing

1.

The price of raw materials used for manufacturing unscented cleaning solution must be tracked based upon commodity exchange pricing. The margin and cost multiplier must be set up for commodity traded raw material.

2.

You must set up cost calculation groups to ensure that indirect costs that originate in the manufacturing of finished goods are recognized and absorbed into the product cost.

3.

The production manager needs to set up picking list journals and BOM item consumption.

#### Reporting

1.

Production control parameters must be setup for reporting of automatic BOM and Route consumption.

2.

You must create reports that include information about cost records and categories for items, and calculation formulas for indirect costs.

3.

You must treat manufactured items as purchased items for cost roll-up purposes during BOM calculations and reporting.

4.

You must configure automatic route consumption in connection with the automatic running of Report as finished.

#### Inventory control

You must not be required to track the lot number for items when you enter inventory information into the system. Lot numbers for items must be entered when items are picked from inventory.

#### Issues

Users report the following issues:

1.

The production manager observes that items are being deducted from inventory two times on production jobs. A shop supervisor mistakenly registers the process for assembling batteries for the pressure washers to Registered as prepared. You must reschedule the process for a future date.

2.



Customer1 orders 20 barrels of unscented solution. The order is confirmed. Production must be scheduled to start on December 21 to meet the customers delivery deadline.

3.

User2 reports that costs for manufactured items are twice as high as expected.

4.

UserD reports that the formula for the liquid cleaning solution sometimes changes during production. You must enforce the policies regarding formula editing for current and future use.

- A. Cost basis type
- B. Quantity and margin template
- C. Pricing calculation
- D. Pricing template

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/dynamicsax-2012//quantity-and-margin-template-form?redirectedfrom=MSDN>

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## QUESTION 5

### DRAG DROP

A company uses Dynamics 365 Supply Chain Management to sell fruits and vegetables.

Pricing is dependent on specific commodity market costs to assure fair market pricing.

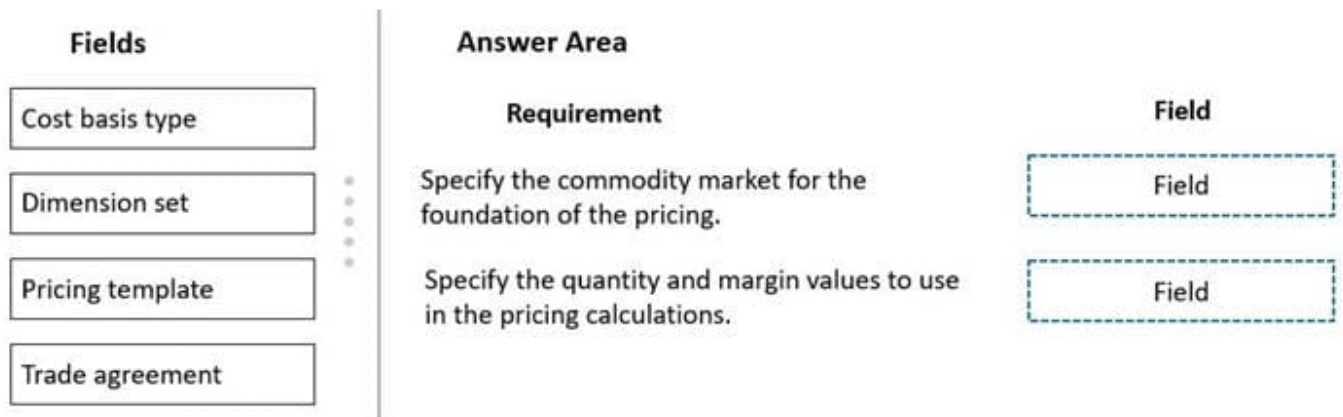
You need to configure a batch job to update the price and margin data.

Which fields should you use in the configuration? To answer, drag the appropriate fields to the correct requirements. Each field may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to

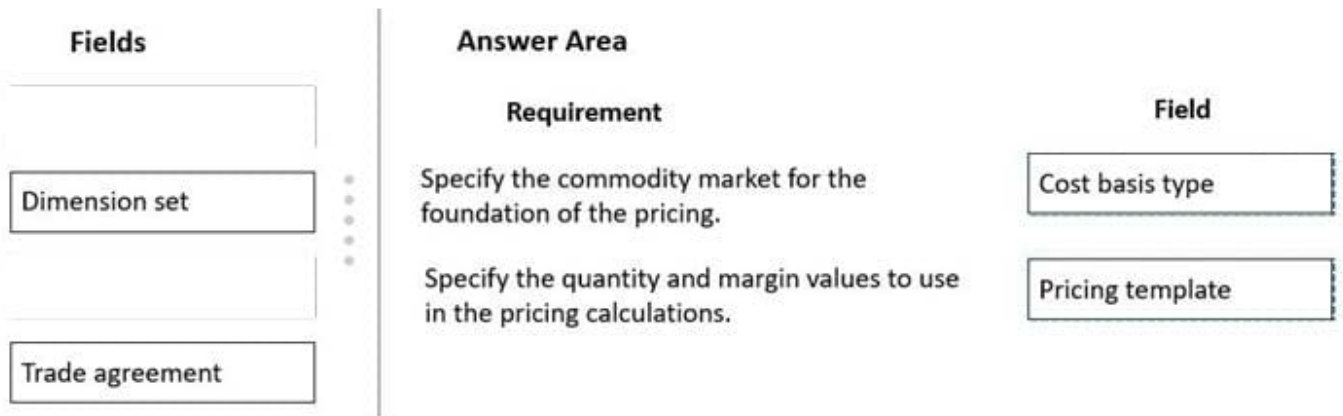
view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Correct Answer:



Explanation:

Box 1: Cost basis type

The following parameters in Inventory management > Setup > Inventory and Warehouse Parameters > Commodity Pricing tab must be set to use commodity pricing in Dynamics 365 Supply Chain Management.

Cost basis type - Select the cost basis to use as the default for new pricing calculations.

Pricing template - Select the pricing template to use as a default when you generate a pricing and margin update.

Incorrect:

Dimension set - Enter the financial dimensions to use as the default account, department, cost center, and purpose for commodity pricing.

Box 2: Pricing template

Use this procedure to set up quantity and margin template criterion, such as price margin amounts and percentages, to be attached to a commodity pricing template.

Click Inventory management > Setup > Commodity pricing > Pricing template.

Select the commodity pricing template to which the new quantity and margin template must be attached.

Click the Quantity and margin template button.

Etc.

Batch job quantity and margin values

Reference: <https://docs.microsoft.com/en-us/learn/modules/work-commodity-pricing-compliance-dyn365-supply-chain-mgmt/1-configure>

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/create-a-quantity-and-margin-template>

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