



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

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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## QUESTION 1

A pharmaceutical company is implementing Dynamics 365 Supply Chain Management.

The formulas for medication include a single active ingredient. The active ingredient will be defined with a target level and specified deviation ranges from the target.

You need to set up the active ingredient items.

Which two actions must you perform? Each answer presents a partial solution.

NOTE: Each correct selection is worth one point.

- A. Configure inventory batch attributes.
- B. Enable serial tracking.
- C. Enable batch tracking.
- D. Configure expiry dates for a batch.

Correct Answer: AC

Explanation:

A: Products that have an active ingredient

A product can be defined by its concentration of an active ingredient. The active ingredient of a product is modeled by using a product-specific batch attribute that has a minimum value, a maximum value, and a target level.

C: To associate a base attribute with a product, the following setup is required:

The product must be batch-controlled. To make a product batch-controlled, you must assign a tracking dimension group to the product that has an active Batch dimension.

The attribute that indicates the ingredient levels must be defined as a product-specific batch attribute for the product.

To look up and edit the actual value of the active ingredient for a batch:

Go to Inventory management > Inquiries and reports > Tracking dimensions > Batches.

Select a batch number from the grid.

On the Action Pane, open the View tab and then select Inventory batch attributes.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/production-control/batch-balancing>

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## QUESTION 2

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.	<div>Case management</div> <div>BOM version</div> <div>Case management</div> <div>Workflow</div> <div>Document management</div>
Associate the other items to the knowledgebase articles.	<div>Product change</div> <div>Product change</div> <div>Where-used</div> <div>Where-linked products</div> <div>BOM designer</div>

Correct Answer:

Action	Feature
Document the changes.	<div>Case management</div> <div>BOM version</div> <div>Case management</div> <div>Workflow</div> <div>Document management</div>
Associate the other items to the knowledgebase articles.	<div>Product change</div> <div>Product change</div> <div>Where-used</div> <div>Where-linked products</div> <div>BOM designer</div>



### QUESTION 3

Note: This question is part of 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.

A company produces and distributes seafood to supermarkets. During the manufacturing process, raw seafood is purchased, cleaned, and packaged into various-sized boxes. Each box may have a different weight.

Product is sold by the box and priced by the pound.

You need to ensure that you can perform transactions at the box level and record the net weight of goods shipped to a customer.

Solution: Set up the product with a sales unit measure of pounds and inventory unit measure of box. Set a standard unit conversation for the product from box to pounds.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/about-catch-weight-items>

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### QUESTION 4

#### HOTSPOT

A candy manufacturer uses Dynamics 365 Supply Chain Management.

A master planning run needs to prioritize the production jobs for fruit snacks by flavor and color every 16 days.

You need to configure the appropriate parameters in the coverage group.

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

NOTE: Each correct selection is worth one point.

Hot Area:



## Answer Area

### Field

### Configuration

Time fence

	▼
Sequencing	
Capacity	
Forecast plan	

Period type

	▼
Day	
Week	
Month	
Quarter	

Correct Answer:



# Answer Area

## Field

## Configuration

Time fence

	▼
Sequencing	
Capacity	
Forecast plan	

Period type

	▼
Day	
Week	
Month	
Quarter	

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/master-planning/master-planning-setup>

### QUESTION 5

A company overstates on-hand raw materials due to the time it takes to post raw materials as consumed when production orders are processed.

All items used to manufacture finished goods must be consumed when a finished good is reported as finished. You must not change all bill of materials lines to use the option of flushing principal.

You need to ensure that all production orders consume raw materials at Report as finished.

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.

Select and Place:



In the Production order status section of Production control, select Report as finished.	
In the Production order status section of Production control, select Start.	
On the Bill of materials section of Inventory management, select Report as finished.	
Select Make default for all users.	
In the Picking list journal, select Always in the Automatic BOM consumption.	
Select default values in the ribbon.	

Correct Answer:

	In the Production order status section of Production control, select Start.
	In the Picking list journal, select Always in the Automatic BOM consumption.
On the Bill of materials section of Inventory management, select Report as finished.	In the Production order status section of Production control, select Report as finished.
	Select Make default for all users.
Select default values in the ribbon.	

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/productionparameters-manufacturing-execution>

## QUESTION 6

### HOTSPOT

A customer produces light projection toys for holiday decorations throughout the year. Because holidays vary by region and time of year, the company wants to implement Lean manufacturing.

The production process creates the toys at the following work cell: stands, main assembly, electric, visuals, and packaging.

You need to implement the production process.

Which configuration options should you use? To answer, select the appropriate configuration options in the answer area. NOTE: Each correct selection is worth one point.



Hot Area:

## Answer Area

### Requirement

### Configuration option

Each work cell must implement a lean replenishment strategy.

	▼
production flow	
vendor workflow	
customer workflow	
purchase requisition workflow	

The process must move products from one work cell to another.

	▼
transfer activity	
process activity	
service order activity	
activity diagram	

The process must include the assembly of components from previous work cells to add value.

	▼
process activity	
transfer activity	
service order activity	
activity diagram	

The process must provide the ability to improve the overall process by tracking the takt time.

	▼
production flow version	
production flow	
vendor workflow	
customer workflow	

Correct Answer:



## Answer Area

### Requirement

### Configuration option

Each work cell must implement a lean replenishment strategy.

	▼
production flow	
vendor workflow	
customer workflow	
purchase requisition workflow	

The process must move products from one work cell to another.

	▼
transfer activity	
process activity	
service order activity	
activity diagram	

The process must include the assembly of components from previous work cells to add value.

	▼
process activity	
transfer activity	
service order activity	
activity diagram	

The process must provide the ability to improve the overall process by tracking the takt time.

	▼
production flow version	
production flow	
vendor workflow	
customer workflow	

## QUESTION 7

A company produces paints and assembles bicycle frames.

You must account for paint drying time before assembly operations can begin. You need to set up the operation to encompass queue times.

Which two options can you use? Each correct answer presents part of solution.

NOTE: Each correct selection is worth one point.

A. Enter a value in the queue time after field for the painting operation

B. Make a resource group for each size and color and assign that group to the operation



- C. Enter a value in the transit time on the painting operation
- D. Enter a value in the queue time before field for the assembly operation
- E. Build capabilities for each resource related to color

Correct Answer: AD

## QUESTION 8

### HOTSPOT

A company implements Dynamics 365 for Finance and Operations.

You run a master plan each week.

You need to resolve the issue in the scenario.

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

NOTE: Each correct selection is worth one point.

Hot Area:

Production orders do not appear in the Production control module.

▼
Firm the planning production orders.
Rerun master planning.
Increase the coverage time fence.

You must ensure visibility to all resources during planning processes.

▼
Edit the plan. Set the Scheduling method to Job scheduling.
Increase the coverage time fence on the plan.
Assign a higher ranking to the sequence group assigned to items.

Correct Answer:

Production orders do not appear in the Production control module.

▼
Firm the planning production orders.
Rerun master planning.
Increase the coverage time fence.

You must ensure visibility to all resources during planning processes.

▼
Edit the plan. Set the Scheduling method to Job scheduling.
Increase the coverage time fence on the plan.
Assign a higher ranking to the sequence group assigned to items.

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/job-scheduling>

**QUESTION 9****HOTSPOT**

A customer produces light projection toys for holiday decorations throughout the year.

You must implement Bills of material (BOMs) for the product lifecycle. The solution must meet the following requirements:

Phase	Requirement
1	Provide a rough estimation of required materials based on a new design.
2	Provide an estimation of required materials based on an existing design.
3	Provide an estimation of required materials, prior to production, based on demand for finished products.
4	Provide a consolidated list of materials used during the manufacturing process.
5	Provide a consolidated list of prices of materials used for production to plan for future price variances.

You need to create a BOM for each phase.

Which BOM types should you use? To answer, select the appropriate configuration options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Phase****BOM types****1**

draft
engineering
production
costing

**2**

draft
engineering
production
costing

**3**

planning
production
costing

**4**

draft
engineering
planning
production

**5**

engineering
production
costing

Correct Answer:

**Phase****BOM types****1**

<b>draft</b>
engineering
production
costing

**2**

draft
<b>engineering</b>
production
costing

**3**

<b>planning</b>
production
costing

**4**

draft
engineering
planning
<b>production</b>

**5**

engineering
production
<b>costing</b>

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/bill-of-material-bom>

**QUESTION 10**

You are a production manager at a company which produces large batches of coffee and creamers.

After a quality inspection, batch 120008 of your cold brew coffee (item number CB-0001) was found to be too acidic and



must be reworked.

You need to add 20 grams of sugar and stir the product for an additional 0.5 hours.

What three actions are required on the rework order? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Delete all items from the production formula except for 20 grams of sugar
- B. Add 20 grams of sugar to the production formula
- C. Delete all route operations except for a half an hour stirring operation
- D. Manually reserve batch 120008 after estimating the batch order
- E. Add a route operation for 0.5 run time hours of stirring

Correct Answer: BDE

Reference:

<https://technologyblog.rsmus.com/microsoft-dynamics/dynamics-365-for-finance-and-operations/rework- batch-orders-in-microsoft-dynamics-365-for-finance-and-operationscmpidblogtmc-ms-dynamics-1219d01/>

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## QUESTION 11

A manufacturer uses route operations and job scheduling.

You use a unique calendar for a conveyor line. The company observes a decrease in the number of hours a conveyor line resource is operational due to breakdowns. You must make a temporary change to the number of hours the resource

is available.

You need to adjust the efficiency percentage for the conveyor line calendar.

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.

Select and Place:



**Actions**

**Answer Area**

Select working times

Apply the new template to the resource's calendar

Select the calendar related to the resource

Create a new working time template

Update the runtime on the routes that use the resource

Change the efficiency percentage on the days that need the change

Correct Answer:

**Actions**

**Answer Area**

Select working times

Create a new working time template

Change the efficiency percentage on the days that need the change

Select the calendar related to the resource

Apply the new template to the resource's calendar

Update the runtime on the routes that use the resource

**QUESTION 12**

HOTSPOT



A company makes engine parts used in the automotive industry.

They are in the process of retooling an existing manufacturing plant. They are looking to use Dynamics 365 Supply Chain Management to help support the Bill of Materials (BOM) product lifecycle for engineering version control.

You must translate existing production processes into the proper elements. You need to create BOM lifecycle states to translate existing production processes into the proper elements.

What type of BOM product lifecycle state should you create? To answer, select the appropriate BOM state in the answer area.

Hot Area:

### Scenario

### BOM type

Create runs for existing orders that need to be scheduled for production.

▼
engineering
draft
costing
production

Create visibility into cost and materials estimated for prototype products.

▼
engineering
draft
costing
production

Create visibility into cost estimates for products that use a very constrained component for the next three months.

▼
engineering
draft
costing
production

Correct Answer:

**Scenario****BOM type**

Create runs for existing orders that need to be scheduled for production.

engineering
draft
costing
production

Create visibility into cost and materials estimated for prototype products.

engineering
draft
costing
production

Create visibility into cost estimates for products that use a very constrained component for the next three months.

engineering
draft
costing
production

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/bill-of-material-bom>

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**QUESTION 13**

A manufacturing company uses master planning in Dynamics 365 Supply Chain Management.

The production planner increases the lead time of an item. On the next master planning output, the planner receives a cancel action message on existing purchase orders. The message includes a suggested earlier date for the planned purchase orders.

The demand for the item has not changed since the original purchase order was placed. Dynamic negative days is not used.

You need to resolve the issue.

What should you do?

A. Increase positive days.

B. Decrease negative days to be less than the item lead time.



C. Decrease positive days.

D. Increase negative days to be greater than the item lead time.

Correct Answer: A

Explanation:

The production planner increases the lead time of an item.

As a rule, the positive days are set to a number that is between the longest lead time of the items and the coverage time fence. We recommend that you assign items that are regularly procured or produced to a coverage group where the

positive days equal the item's lead time.

Incorrect:

Not B: The lead time was increased, we should not decrease the negative days.

Not D: We recommend that you set the negative days to a number that is less than the lead time of the item.

Note:

Negative days

Negative days indicate how late item receipts will be allowed. They represent the number of days that you're willing to wait before you order new replenishment when you have negative inventory or don't have enough inventory. Negative days

answer the question, Should we create a new purchase order for the item, or should we use an existing purchase, even though we know that the item will be late?

Positive days

Positive days indicate how far in the future master planning considers the current inventory or receipts to fulfill a future demand. For example, if the positive days are set to 100, the current inventory can be used to fulfill demand in the next

100 days. If there is an order 150 days from the current date, master planning will create a planned order to satisfy that demand, even though the on-hand inventory for the item can satisfy the order. For fast-moving items that have a short

lead time, you might not want to use the on-hand inventory for an order that is far in the future. In this fast-moving case, the current on-hand inventory will be gone quickly, and more orders could be placed in the future to fulfill a future demand

on time, which would be possible due to the short lead time of the item.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/master-planning/master-planning-setup>

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## QUESTION 14

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.



A company implements Dynamics 365 Supply Chain Management and configures the system to support process manufacturing.

The company manufactures pain-relieving lotions. Several of the primary ingredients are delivered at different concentrations depending on the ingredient and vendor. IngredientA is the primary active ingredient in the lotion. IngredientB is

used as a compensating ingredient.

You need to ensure that the system is set up to support the manufacturing process.

Solution: Create a formula version for each concentration level.

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/batch-balancing>

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## QUESTION 15

You are the product manager at an orange juice manufacturing company.

For every 1,000 pounds of orange juice, 20 pounds of orange pulp is created which can be sold or reused profitably. The cost is calculated as a weighted average between the quantity of orange juice that is reported as finished and the orange pulp based on the standard cost of each item.

You need to create the formula for orange juice that will produce orange pulp as a result of finishing a batch order.

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.

Select and Place:



Select TCA as the co-product cost allocation.

Set Total cost allocation on the header to true.

Add a co-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.

Add a by-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.

Add a formula line for orange pulp and a quantity of 20 pounds per 1,000 pounds.

Select Per quantity as the by-product cost allocation.

Create a new formula and formula version for orange juice.

Correct Answer:

Select TCA as the co-product cost allocation.

Add a co-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.

Add a formula line for orange pulp and a quantity of 20 pounds per 1,000 pounds.

Create a new formula and formula version for orange juice.

Set Total cost allocation on the header to true.

Add a by-product line for orange pulp and enter a quantity of 20 pounds per 1,000 pounds.

Select Per quantity as the by-product cost allocation.

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