



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

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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## QUESTION 1

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 questions 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 manufacturing plant uses Lean processes. You plan to outsource a painting operation to a subcontracting vendor. You create a service item named SP-01 to represent the painting service.

You need to create a subcontracting activity for the painting service.

Solution:

1.

Create a vendor resource and work cell for outsourced painting; add the vendor resource to the work cell.

2.

Create a production flow process activity using the painting work cell and the service item for picking.

3.

When the service is required, create a purchase order to the subcontracting vendor and add a line for the service item and the vendor price. Does the solution meet the goal?

A. Yes

B. No

Correct Answer: A

References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/activity-based-subcontracting>

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## QUESTION 2

HOTSPOT

You need to determine the batch values on the combined mix batches for OperatorA.

Which values should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



**Field**

**Merged Result**

Batch Number

Manually entered
Based on batch group
Lowest
Highest

Expiration Date

Based on batch dates group
Manually entered
Lowest
Highest

Lot/Serial Control Number

All are retained
Manually entered
Lowest
Highest

Correct Answer:



**Field**

**Merged Result**

Batch Number

Manually entered
Based on batch group
Lowest
Highest

Expiration Date

Based on batch dates group
Manually entered
Lowest
Highest

Lot/Serial Control Number

All are retained
Manually entered
Lowest
Highest

Explanation:

Box 1: Based on batch group

OperatorA must consolidate partial mix batch group runs into saleable package quantities.

To generate a batch number when you create a merged batch, you must assign a batch number group to the released product. Otherwise, you can enter a batch number manually.

Box 2: Manually entered

What if the batches have different batch dates?

If the batches have different batch dates, some of the dates are calculated based on the values in the Batch dates group on the Merged batch FastTab of the Batch merge page. The system calculates values for the fields in the Batch dates

group. These values include the manufacturing date, expiration date, shelf advice date, and best-before date. The dates are calculated based on settings for the item in the Item data field group of the Released product details page. You can

change the values or enter them manually. For all other dates, no calculation is done. The same principle is used for batch attribute values. If a date is the same for all the source batches, that date is suggested for the merged batch. If the



date isn't the same for all source batches, the date is blank on the merged batch, and you can enter it manually.

Box 3: All are retained

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/inventory/merge-inventory-batches>

### QUESTION 3

You need to set up the correct production solution for the assembly area.

Which solution should you implement?

Case Study Title (Case Study):General information

A manufacturing company produces custom configured-to-order motorcycles. The company plans to implement Dynamics 365 Supply Chain Management. The company contains one legal entity located in Missouri where all production and warehousing operations occur.

Customization options

The custom motorcycles have a variety of selections that can be selected in the listed order by the end customer, including the following:

Selection order	Option	Values
1	Engine	Small = 0, large = 1
2	Color	black, green, orange, silver
3	Trim	standard, sport, legend
4	Seat	standard, MS, ML
5	Upgrade Packages	storage package, LED headlamp, custom chrome wheels

Customization restrictions

The following restrictions on customizations are in place:

\*

Green color can only be sold with the Legend Trim.

\*

Orange color can be sold with the Sport or Legend Trim.

\*

The ML seat must be included in the Legend package.

\*



The MS seat must be included in the Sport package.

#### Manufacturing facilities

The company includes the following manufacturing groups: Assembly and Plastic Molding. The Assembly group is responsible for assembling the motorcycles with purchased and manufactured goods. The Plastic Molding group is responsible for manufacture of all plastic parts used in the assembly area.

#### Motorcycle manufacturing

The parts for the product assembly are picked from the warehouse and staged at the correct workstation by a warehouse operator for each production order.

#### Plastic manufacturing

Plastic parts are molded using dyes that create multiple parts at once. The parts are machined in the same production process to remove excess plastic and add additional holes for assembly. Excess plastic is recycled back into the feedstock of the same color plastic chips for use in the molding process.

#### Metal Parts

Raw metal parts are purchased fully machined but without primer or paint. The parts are subcontracted to a vendor for primer and paint based upon the color requirements.

#### Facility

The company has a single warehouse that supports both the assembly and plastic manufacturing areas. The warehouse consists of three aisles with 15 bins and three shelves. The facility has no Wi-Fi capacity but has hardwired terminal

stations throughout the assembly production line.

Transactions are currently completed by office staff. Raw materials transfer must support capacity constraints for paint and primer.

#### Requirements

The company has a single warehouse that supports both the assembly and plastic manufacturing areas. The warehouse consists of three aisles with 15 bins and three shelves. The facility has no Wi-Fi capacity but has hardwired terminal

stations throughout the assembly production line.

Transactions are currently completed by office staff. Raw materials transfer must support capacity constraints for paint and primer.

#### Sales Order

The company has the following requirements for sales orders:

\*

During the configuration of a sales order, invalid combinations must be prevented.

\*

Each configuration must create a unique bill of material (BOM) and Route based on options selected.



\*

Sales pricing for the sales order must be based upon options selected.

\*

Due to emissions regulations, the motorcycles cannot be sold to the state of California.

Motorcycle manufacturing

The company has the following requirements for motorcycle manufacturing:

\*

Schedule labor only at the labor pool level without machines by day

\*

Produce motorcycles within a scheduled day in any order.

\*

Record actual production labor with start/stop times.

\*

Record manager approval of labor entered prior to posting.

\*

Post actual material consumption after production is finished.

Plastic manufacture

The company has the following requirements for motorcycle manufacturing:

\*

Schedule both labor and machines.

\*

Adjust schedules by using a Gantt chart.

\*

Backflush standard labor by operation.

\*

Post actual material consumption at the start of production.

\*

Track and allocate costs to the excess plastic.

\*



Report multiple molded part numbers during the same production run.

\*

Determine the correct mold to use on a production order.

\*

Generate a batch number for each production order.

#### Metal Parts

The company has the following requirements for metal parts manufacturing:

\*

Schedule shipments to the vendor for painting.

\*

Receive painted parts into inventory from the vendor.

\*

Track vendor inventory levels.

Default You must configure defaults for manufacturing execution production orders to meet the following requirements:

\*

Ensure accuracy for production order pick list posting.

\*

Ensure correct pick list creation.

#### Issues

A. In the current system, the company cannot calculate overhead rates and determine the breakdown of material, labor, machine, and overhead costs for production.

B. The company is manually calculating an 8% overhead on materials and posting a journal manually.

A. Standard warehousing with Manufacturing execution

B. Standard warehousing for all transactions

C. Advanced warehousing for all transactions

D. Advanced warehousing with Manufacturing execution

Correct Answer: D





#### QUESTION 4

A company produces pipe at certain fixed lengths.

The company must be able to schedule cutting machines. You set up the cutting machines as resources. All cutting resources can produce many of the products. There are some products that require cutting machines that can produce longer

lengths of product. Only some of the machines can do this.

You need to configure the resources to account for these different products.

What should you do?

- A. Configure the Data/Hour option on the Capacity unit field on the resource.
- B. Build capability related to length and assign to the appropriate resources.
- C. Create a resource group for each length.
- D. Create a resource for each length.

Correct Answer: B

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/tasks/define-resource-capabilities>

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#### QUESTION 5

You need to configure lot number control for inventory.

Which option should you use?

- A. Blank issue allowed
- B. Primary stocking
- C. Blank receipt allowed
- D. Physical inventory

Correct Answer: C

Explanation:

Blank receipt allowed: If the Primary stocking check box is not selected, then you can select the Blank receipt allowed check box to prevent specification of the dimension when physical receipts are updated. This functionality is useful if, for

example, you do not want to specify the serial/lot number upon input but you do for picking and output.

Scenario: Inventory control

Scenario: 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.



Reference:

<http://dynamicbusinesssolutions.ru/axshared.en/html/a9d2f7cc-a4e7-464b-880d-ee448fb46921.htm>

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