



MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1

You are the product definition manager for a car manufacturing company. You set up and maintain the production configuration models used at the company.

You must build a new configuration model and include constraints in the model.

You need to determine which constraint type to use for each scenario.

Which constraint type should you use? To answer, drag the appropriate constraint types to the correct scenarios. Each constraint type 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:

Constraint types	Scenario	Answer Area
expression	You have a list of seven primary colors with acceptable accent colors.	
table	A specific wheel depends upon selection of the sport package and large engine.	
	A manual transmission cannot be selected.	

Correct Answer:

Constraint types	Scenario	Answer Area
expression	You have a list of seven primary colors with acceptable accent colors.	expression
table	A specific wheel depends upon selection of the sport package and large engine.	table
	A manual transmission cannot be selected.	expression

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/pim/build-product-configurationmodel>

QUESTION 2

You need to set up the metal production route and BOM.



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

NOTE: Each correct selection is worth one point.

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. Set the operation route type as Standard.

B. Set the input warehouse on the resource to the vendor warehouse.

C. Set the operation route type as Vendor.

D. Set all BOM lines warehouse to the production warehouse.

E. Set all the BOM lines to resource consumption.

Correct Answer: BCD

QUESTION 3

HOTSPOT

You need to configure the system to meet the requirements.

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



NOTE: Each correct selection is worth one point.

Hot Area:

Requirement

Ensure proper profit margin updating to account for seasonal fluctuations for raw materials.

Accommodate batch production during non-holiday season months.

Setup

Commodity pricing template
Trade agreement
Formula version
Pegged supply line type

Formula version
Batch attribute
Production parameter

Correct Answer:

Requirement

Ensure proper profit margin updating to account for seasonal fluctuations for raw materials.

Accommodate batch production during non-holiday season months.

Setup

Commodity pricing template
Trade agreement
Formula version
Pegged supply line type

Formula version
Batch attribute
Production parameter

Explanation:

Box 1: Trade agreement

Commodity pricing is the ability to set the sales price for commodity-based end items using the market replacement cost of the main ingredient. Commodity items, such as iron ore, coffee beans, and sugar, are items for which there is a

demand across commodity trading markets. The price for these items fluctuates periodically, such as daily or weekly, based on global supply and demand. When the price of the commodity item changes, any end item that uses that

commodity is adjusted and the new price is updated in the related sales price trade agreement.

Example



This example illustrates how commodity pricing works:

To produce animal feed, 90% or more of its cost comes from one main ingredient, cornmeal. The price of the corn needed to produce the cornmeal is determined by commodity trading markets, usually weekly. So any fluctuation in the cost of

the corn not only affects the price of the cornmeal, but in turn also affects the price of the end item, which is animal feed.

Updating trade agreements

Commodity pricing functionality lets you pass new costs, price break quantities, and effective dates to all related sales trade agreements. You can update commodity pricing information in the Create price and margin data form, and review the

changes in the Price margin update form. You can then use the Trade agreement button to pass the updated prices to the trade agreements. To actually apply the new prices to trade agreements, you must post the Price/discount agreement

journals in Sales and marketing.

Incorrect:

* Pegged supply line type Pegged supply Select the Pegged supply line type when you want to create a subproduction, a BOM line event kanban, or a direct purchase order for any product variant that the BOM line references. The subproduction, event kanban, or purchase order is created when you estimate the production order. The required item quantities are automatically reserved for the consuming production order.

Box 2: Batch production formula version Formula versions When you create a new formula, you must first create a formula version before you add the formula line items and their specific characteristics. Every formula must have at least one version.

Note: A formula defines the materials, ingredients, and outcomes of a specific process in process manufacturing. Together with the corresponding route, the formula defines the whole process in process manufacturing. Formulas are used to plan and produce products in process manufacturing.

A formula consists of the ingredients and quantities that are required in order to produce a specific quantity of a formula item. Depending on the task that you perform, you can access formula functionality from Inventory and warehouse management or Product information management.

Reference: <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/about-commodity-pricing>

QUESTION 4

A company produces multiple products that require an installation kit that includes 50 components.

The company does not want to include these 50 components in every Bill of materials (BOM). You have a BOM kit that includes all 50 components, but you do not want it to produce a separate production order.

You need to set up the product BOM for the finished good.

What should you do?

A. Select Phantom on the engineering fast tab on the kit item



B. Change the coverage group on the kit item to Manual

C. Change the line type to Phantom

D. Change the line type to Pegged supply

Correct Answer: C

QUESTION 5

A company uses Lean manufacturing processes with Kanban boards.

When unexpected transfer jobs occur, the board do not clear properly.

You need to ensure that the boards clear properly.

What are two possible ways to clear the board? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Change unplanned to planned.

B. Delete the unplanned job.

C. Revert the planned Kanban job status.

D. Remove the planned Kanban job.

Correct Answer: C

Reference: <https://learn.microsoft.com/en-us/dynamics365/supply-chain/production-control/tasks/remove-kanban-job-schedule> <https://www.inogic.com/blog/kanban-board-infocentre/uninstalling-kanban-board/>

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