**Vendor:**Microsoft

**Exam Code:**MB-320

**Exam Name:**Microsoft Dynamics 365 Supply Chain Management, Manufacturing

**Version:**Demo

**QUESTION 1**

You need to report newly manufactured bicycles as finished products.

Which three options can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Route card journal

B. Job card journal

C. Standard production order update

D. Report as finished journal

E. Handheld warehouse device

Correct Answer: ADE

Explanation:

Note: Finished goods are reported as finished by the warehouse worker who picks up the finished product from the packaging area.

Finished products must automatically have put-away work completed for them.

Put-away work can be generated for items that are enabled for warehouse processes.

The quantity is reported to the output location. Warehouse work is then generated to move the quantity from the output location to its final destination defined by the location directive for the put-away work.

A quality order can be created when a production order is reported as finished if a quality association has been set up.

Note: Set a production order to Reporting as finished

You can set a production order to Report as finished through the standard production order update function, or through the route and job card journals, or through the journal Report as finished. You can also update the stage to Report as

finished through the job card terminal and job card device pages, when you report on the last job of the production order. Finally, you can enable the Report as finished option as a process for the handheld warehouse device solution.

Reference: https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/report-production-orders-as-finished

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**QUESTION 2**

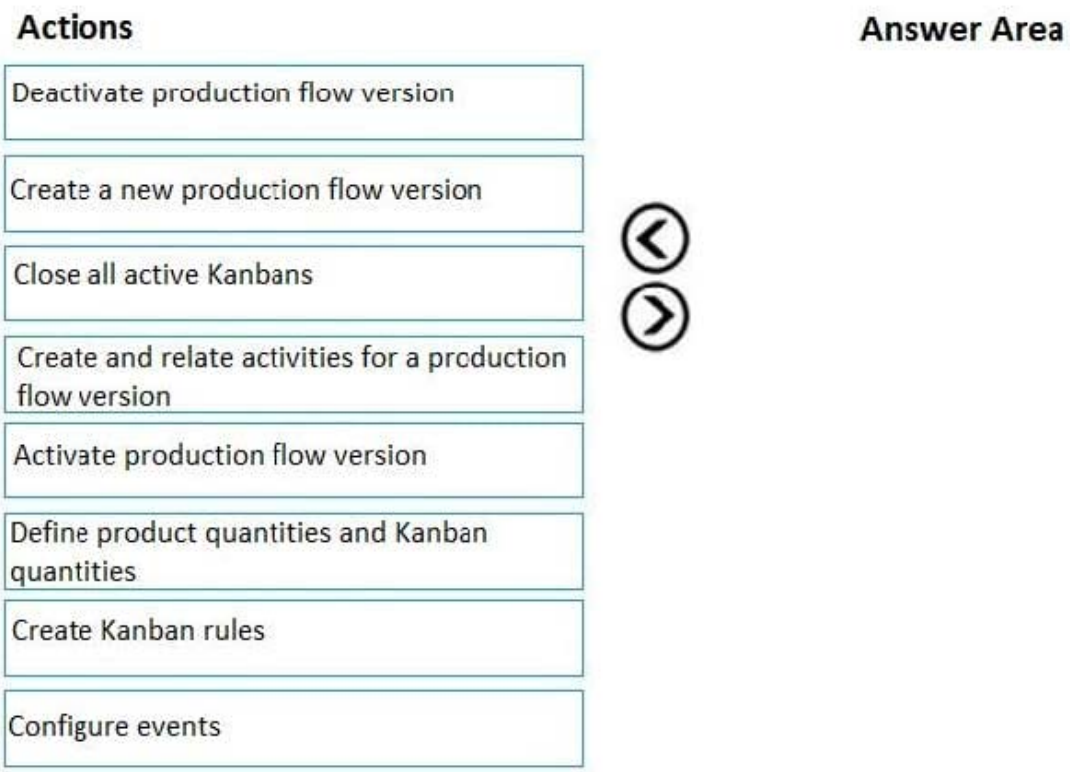
A company that uses Lean manufacturing concepts to produce paper plates has redesigned the layout of the warehouse and production floor.

The company\\'s production flow activities no longer match the tasks of the workers. Employees use paper and manual communication to complete the tasks.

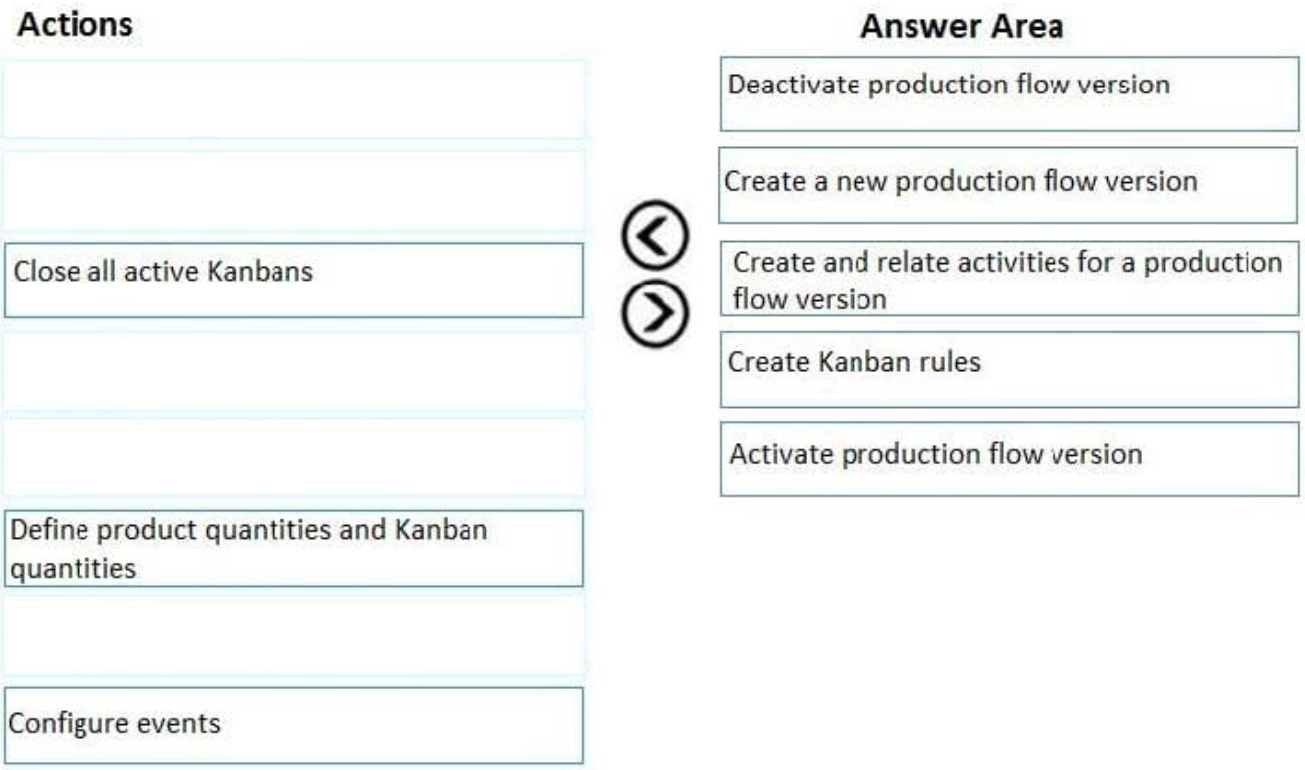
You need to update the production flows to match their current processes by deactivating the obsolete production flows and creating new ones.

Which five 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:




Correct Answer:

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**QUESTION 3**

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: Configure the catch weight of IngridientA to allow for the variances of the concentrations received from the different vendors.

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 4**

HOTSPOT

A candy manufacturer uses Dynamics 365 Supply Chain Management.

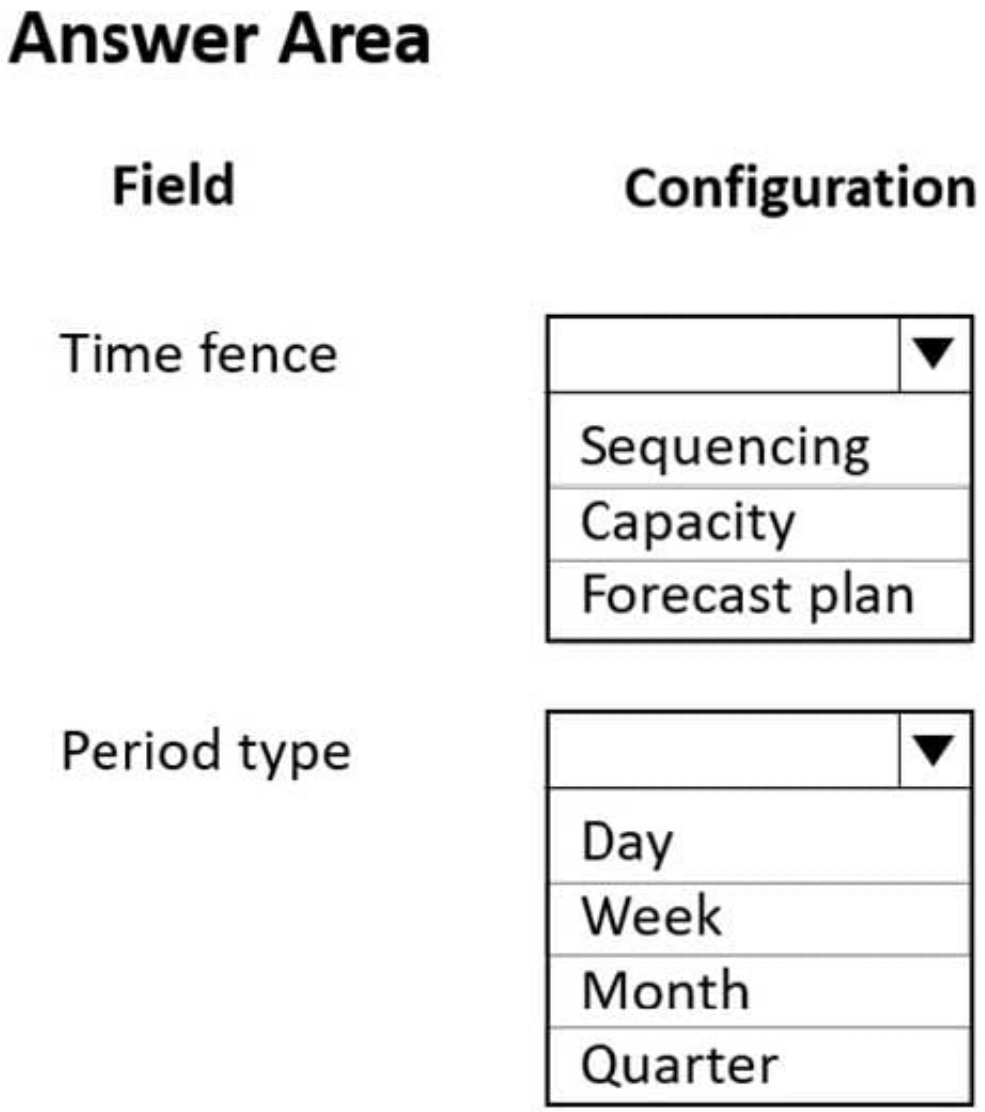
A master planning run needs to prioritize the production jobs for fruit snacks by flavor and color every 16 days.

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

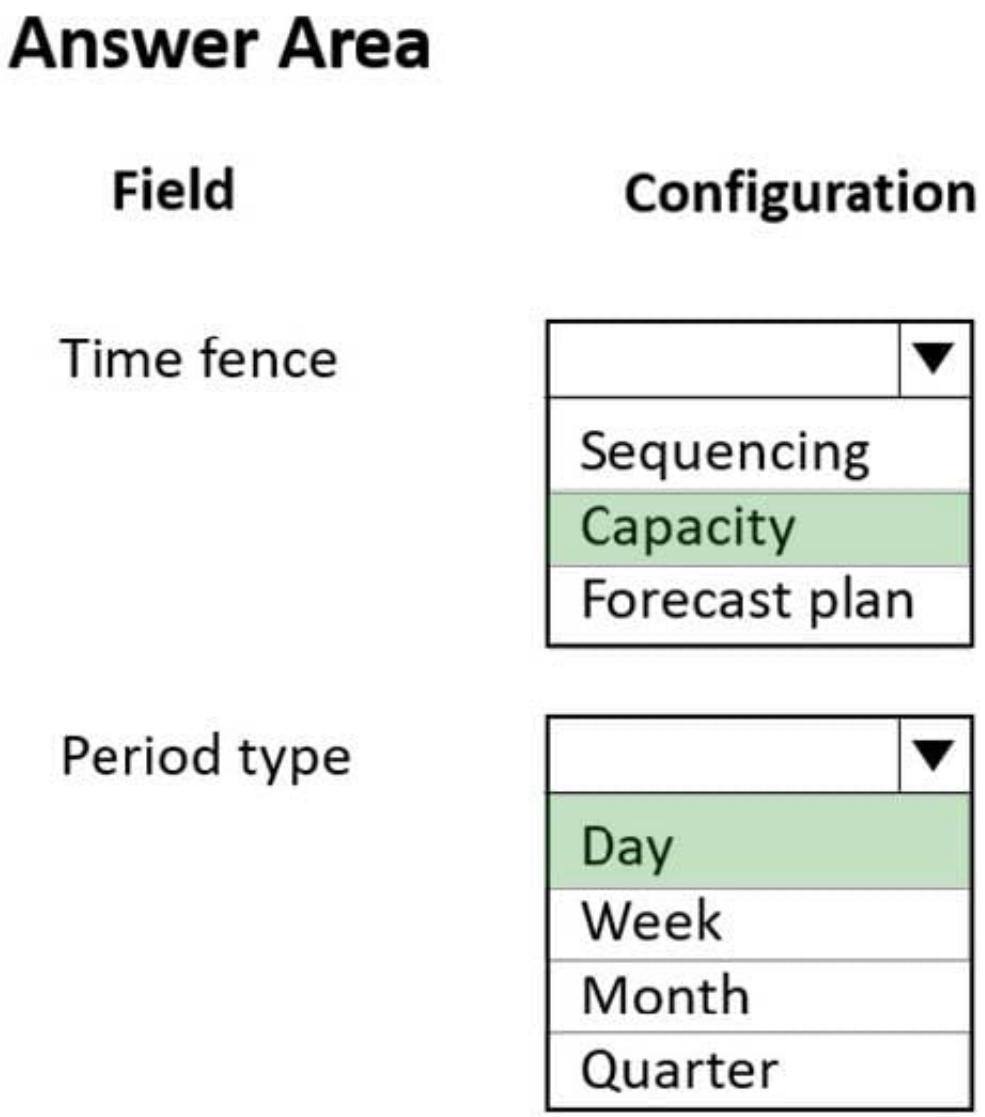
What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:




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

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**QUESTION 5**

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 solutions,

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 implements Dynamics 365 Supply Chain Management for their Lean manufacturing environment.

There has been an engineering change to a fixed quantity product that is in production. This change will add an additional processing step as the second step. The existing version must be phased out and replaced by the new

version.

You need to ensure that the engineering change takes affect at the end of the month.

Solution: 1.) Create an activity for the new process step and add it to the existing production flow. Set the expiration date to the end of the month 2.) Create a Kanban rule that incorporates the new activity with an effective date of end of the month 3.) Edit the existing Kanban rule. Set the expiration date to the end of the month. 4.) Activate the new production flow

Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

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**QUESTION 6**

HOTSPOT

You are the production scheduler at a manufacturing company. You schedule estimated production orders and ensure that capacity is used efficiently.

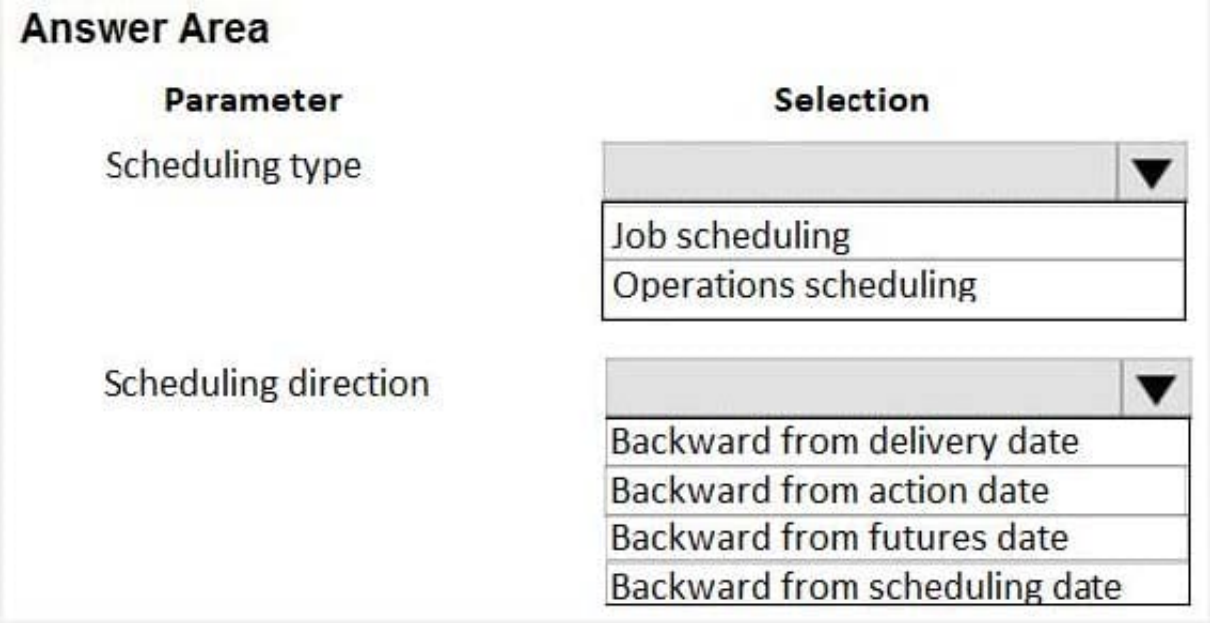
You have an order that must be scheduled at the resource group level and scheduled backward from the delivery date specified on the production order.

You need to schedule the order.

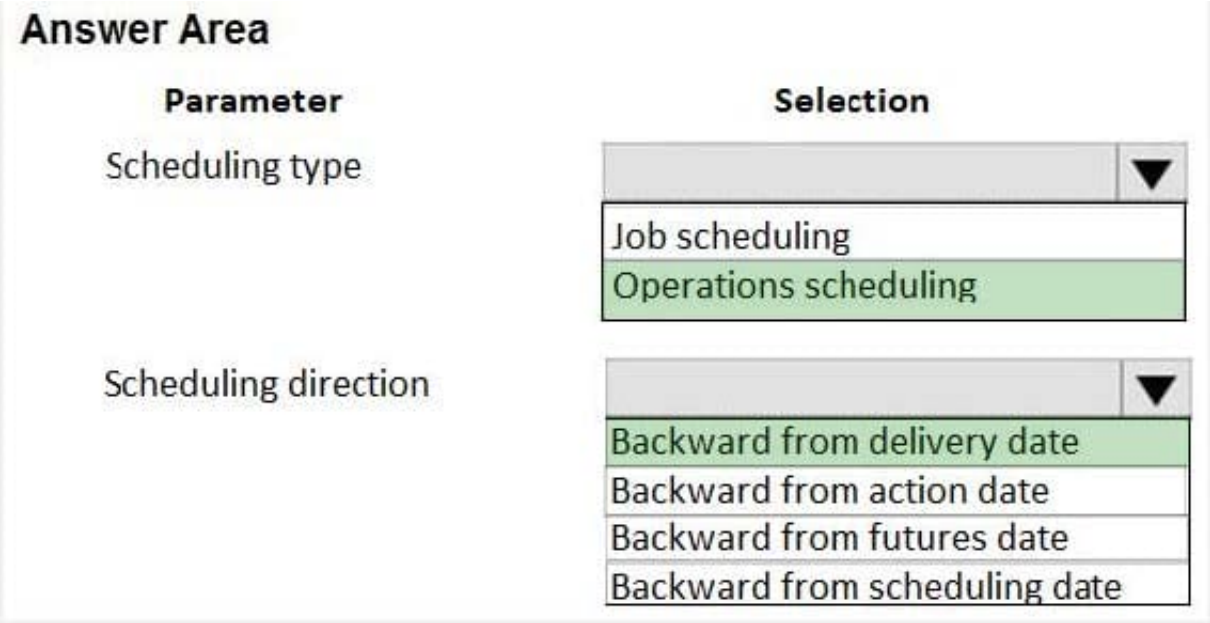
Which scheduling parameters should you use? To answer, select the appropriate option in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:




Correct Answer:




References: https://docs.microsoft.com/en-us/dynamics365/unified-operations/supply-chain/production-control/operation-scheduling-options

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**QUESTION 7**

You need to create the constraint for the ML seat selection.

Which expression constraint should you use?

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 followingrequirements:

*

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. Implies[Trim==Legend,Seat==ML]

B. Seat!=ML

C. [Trim==Legend|Seat==ML]

D. Implies[Seat==ML,Trim==Legend]

Correct Answer: D

Reference: https://docs.microsoft.com/en-us/dynamics365/supply-chain/pim/expression-constraints-tableconstraintsproduct-configuration-models

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**QUESTION 8**

HOTSPOT

A company uses Dynamics 365 Supply Chain Management.

The company plans to use the Asset management module to maintain its installed base of milling machine fixtures.

The module must be configured to handle the following requirements:

An oil sampling must be taken from each machine at regular intervals.

All calibration types (tooling, instrumentation, and tolerances) that share a required performance skillset must be managed together.

The company is unable to perform in-house preventive maintenance skills on the pneumatic tapping machines. Therefore, the company hires outside services for it.

All maintenance must be scheduled at the same time for efficiency and cost savings.

You need to configure the system.

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

NOTE: Each correct selection is worth one point.

Hot Area:

| Requirement | Option |
|---|---|
| Oil sampling | Maintenance job type<br>Maintenance request type<br>Maintenance job type category |
| Calibration types | Maintenance request type<br>Maintenance job type variant<br>Maintenance job type category |
| Preventive maintenance on pneumatic tapping machines | Maintenance round<br>Condition assessment<br>Work order lifecycle state |

Correct Answer:

| Requirement | Option |
| --- | --- |
| Oil sampling | Maintenance job type<br>Maintenance request type<br>Maintenance job type category |
| Calibration types | Maintenance request type<br>Maintenance job type variant<br>Maintenance job type category |
| Preventive maintenance on pneumatic tapping machines | Maintenance round<br>Condition assessment<br>Work order lifecycle state |

Explanation:

Box 1: Maintenance job type

An oil sampling must be taken from each machine at regular intervals.

An asset type is attached to every asset. Asset types define the maintenance job types (and therefore, the maintenance jobs) that can be performed on assets. When you create a work order, you must select a maintenance job type. You can

select only the maintenance job types that are related to the setup of the asset type that is used for the asset.

Incorrect:

* Maintenance job type variants can be set up on a maintenance job type. Maintenance job type variants define variations of a job type, such as sizes (small, medium, or large), periods (weekly, biweekly, one month, or three months), and configurations (low standard, flexible, or high performance).

Box 2: Maintenance job type category

All calibration types (tooling, instrumentation, and tolerances) that share a required performance skillset must be managed together.

Maintenance job type categories are used to collect a group of maintenance job types for overview purposes. Examples of maintenance job type categories might include Calibration, Inspection, Overhaul, and Instrumentation.

Box 3: Maintenance round

The company is unable to perform in-house preventive maintenance skills on the pneumatic tapping machines. Therefore, the company hires outside services for it.

Maintenance plans are used for preventive and reactive maintenance on individual assets. Maintenance rounds are used for preventive maintenance on a group or a set of assets.

Note: Preventive maintenance overview

In Asset Management, you can create maintenance plans and set them up on assets and functional locations. You can also set up maintenance rounds on functional locations. Maintenance plans on assets are active regardless of where the

asset is installed. Maintenance plans and maintenance rounds on functional location are active for the assets currently installed at the location. Instead of setting up maintenance plans on assets, or setting up maintenance rounds on

functional locations, you can create maintenance rounds that include multiple assets on which you need to perform related types of maintenance jobs in the same work routine. Maintenance rounds created from assets - instead of created on

functional locations - means that you can select a number of assets for one maintenance round, which are not installed on the same functional location.

Note: All maintenance must be scheduled at the same time for efficiency and cost savings.

Reference: https://learn.microsoft.com/en-us/dynamics365/supply-chain/asset-management/setup-for-work-orders/job-groups-and-job-types-variants-trades-and-checklists https://learn.microsoft.com/en-us/dynamics365/supply-chain/asset-management/preventive-and-reactive-maintenance/preventive-maintenance-overview

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**QUESTION 9**

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 solutions,

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 process. 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 purchase agreement for the subcontracting vendor and add SP-01 as the painting service 2.) Create a vendor resource then create a work cell for outsourced painting and add the resource to the work cell 3.) Create a production flow process activity for the painting work cell and add the component to be painted as a picking activity 4.) Create a service term to tie the purchase agreement to the activity

Does this solution meet the goal?

A. Yes

B. No

Correct Answer: B

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**QUESTION 10**

A company that makes artisan chocolate is implementing Dynamics 365 Supply Chain Management.

To safeguard the quality of its ingredients, the company limits recipe substitutions of its chocolates.

Its top-selling chocolate bar must contain 20 percent sugar. The sugar can be Obtained from either cane or beet sugar depending on supply at the time of production.

The system must be able to automatically substitute the appropriate sugar items when generating production orders to meet the quality level of sugar even when the preferred concentration of cane sugar is out of stock.

You need to configure the system.

Which three components must you configure? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Item model group

B. Priority

C. BOM lines

D. Item allocation key

E. Plan group

F. Formula lines

Correct Answer: ACF

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**QUESTION 11**

A company uses Dynamics 365 Supply Chain Management for Process manufacturing.

You are reviewing the planned production orders for the next two weeks. There are several production orders for the same product. One order is scheduled to run the week after another order.

You need to optimize the planned production orders.

What should you do?

A. Rerun master planning. Select the static plan with a coverage time fence of two weeks.

B. Firm the orders

C. In Planned orders, combine the production orders

D. Rerun master planning. Select the dynamic plan with a coverage time fence of two weeks

Correct Answer: A

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**QUESTION 12**

A company plans to implement Dynamics 365 for Finance and Operations.

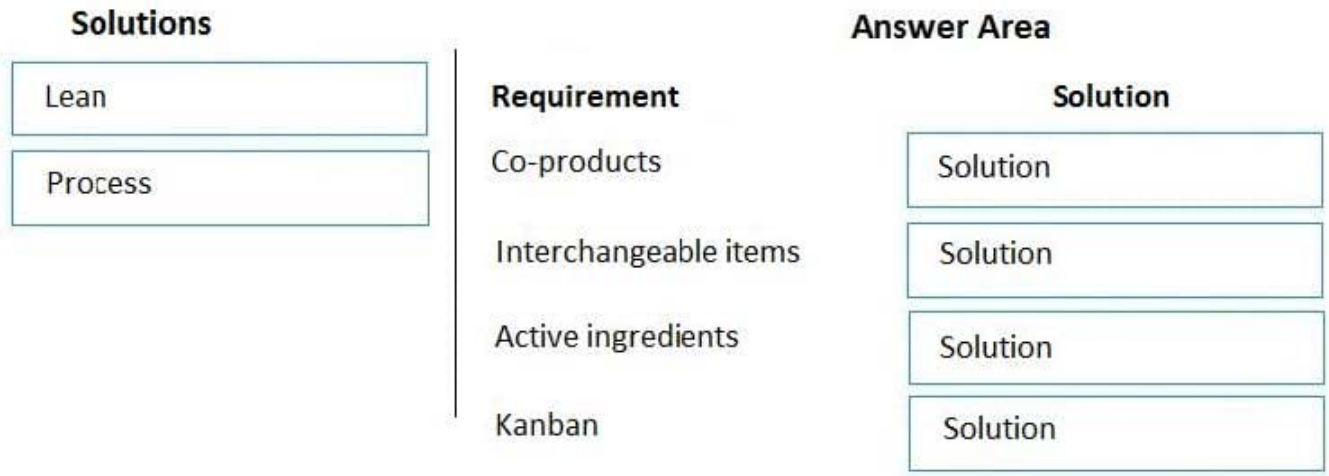
You need to determine which manufacturing solutions to use.

Which manufacturing solution should you use? To answer, drag the appropriate setting to the correct drop targets. Each source 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:

**Solutions**

- Lean
- Process

**Answer Area**

| Requirement | Solution |
| --- | --- |
| Co-products | Process |
| Interchangeable items | Process |
| Active ingredients | Process |
| Kanban | Lean |