

Container Packaging

This is a five-item assembly and packaging task.



Materials

- 50 small caps (A)
- 50 large caps (B)
- 50 wood inserts (C)
- 50 small containers (D)
- 50 large containers (E)
- 1 3-compartment bin
- 1 large single-compartment bin
- 1 small single-compartment bin
- 5 5-compartment plastic boxes
- 1 jig
- 1 red storage bin (not shown)



Each unit has one small container, one wood insert, one small cap, one large container, and one large cap.

Setup

Place the 3-compartment bin containing the caps and wood inserts on the table to the left. Place the bins with the containers in the center. Place the 5-compartment boxes to the right.

Procedure

- Take a plastic box, place it to the right and open it. Take and hold one small container.
- Take one wood insert and drop it in the small container.
- Take a small cap. Snap the cap on the small container.
- Take one large container. Place the small container in the large container with cap end facing up.
- Take one large cap. Snap the cap on the large container. This completes one unit.
- Place the unit on its side in the plastic box, two units per compartment.
- Repeat these steps until the box is full. Close the box and set it to the right.
- Repeat until all the boxes are completed.

Note

The jig is provided to help workers complete the task with the use of only one hand.



Norms:

Per unit – 11 seconds
Per task (50 units) –
9 minutes, 20 seconds

Quality Criteria

The assembled unit must have all the items described in the materials section. The caps must be secure and the units successfully placed in the plastic boxes. The boxes must be closed to stack properly.



Completed unit

Variations

Container Packaging can be broken down into five sequential training tasks:

- Small and large container sort.
- Small and large cap sort. (There is a color difference between the caps.)
- Small cap and container assembly.
- Large cap and container assembly.
- **Container Packaging** (see "Procedure") without the wood inserts.

Container Disassembly

Setup

Place the bins as in the assembly task with the 5-compartment boxes to the right.

Procedure

- Take a plastic box, set it in center of the table and open it.
- With the right hand, remove one assembled unit from the box.
- Remove and palm the large cap in the left hand. (To palm is to hold an object against the palm with the fingers).
- Remove the small container by turning the large container upside down (shake if necessary) and grasping the small container with the left hand. Palm the large container in the right hand. Remove the top of the small container by grasping it with the left hand and pulling the smaller container with the right hand. Palm the small cap.
- Remove the insert by turning the small container upside down. Hold the insert with the fingers of the left hand. (The worker is now holding a large cap, a small cap, and an insert with the left hand; a large container and small container with the right hand.)
- Place the items in the appropriate containers in the following order: wood insert, small cap, large cap, small container, and large container.
- Repeat the preceding steps for the remaining boxes..

Note

The above disassembly procedure may be too difficult for some workers. If so, the worker may place each item in the appropriate bin immediately after it has been removed.

Norms: (Basic Task)

Per unit – 5 seconds
Per task (50 units) –
4 minutes, 20 seconds

Quality Criteria

The unit must be completely disassembled and the items placed in the appropriate containers.