

Snap Box Packaging

This task uses the number concept in packaging.

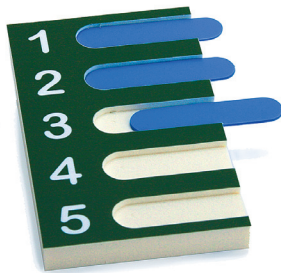


Materials

- 80 snap boxes **A**
- 250 plastic plates **B**
- 1 single-compartment bin
- 1 counting jig (shown below)
- 2 red storage bins



Numbers 1 through 5 on the bottom of the snap boxes indicate how many plates to put in the box.



The counting jig

Setup

Place the storage bin with the snap boxes to the left. Place the single-compartment bin with the plastic plates in the center. Place the empty red storage bin to the right.

Procedure

- Take one snap box. Turn it over and read the number on the bottom.
- Turn the snap box face up, open it, and place it on the table.
- Place the correct number of plastic plates in the snap box according to the number on the bottom of the box. Close the snap box.
- Place the completed snap box flat in the empty red storage bin with the snap facing right and the hinges facing left.
- Repeat all the previous steps until all snap boxes are complete. The last level of snap boxes in the completed bin will be a partial level.

The Counting Jig

When using the counting jig, place it in front of the plastic plate bin. Turn a snap box upside down next to the jig and have the worker fill in the slots on the jig until the number on the bottom of the box is reached. The task is normed without the use of the jig.

Note

The labels on the bottom of the snap boxes are removable, allowing the instructor to alter the numbers. Extra labels are also included.

Norms:

- Per unit – (average 3 plates)
7 seconds
- Per task (80 units) –
9 minutes, 15 seconds

Quality Criteria

Each unit must have the correct number of plates inserted. The snap boxes must be packed laying flat in the bin with the snaps facing right and the hinges facing left.



A completed unit

Snap Box Disassembly

Setup

Arrange the materials as in the assembly task.

Procedure

- Remove one snap box from the storage bin. Open the snap box and hold it over the plastic plates bin.
- Drop the plates into the bin. Close the snap box.
- Place the snap box flat in the empty red storage bin with the snaps facing right and the hinges facing left.
- Repeat all the previous steps until all the boxes are disassembled.

Norms:

Per unit – 4 seconds
Per task (80 units) –
5 minutes, 30 seconds

Quality Criteria

All the plastic plates must be removed and put in the single-compartment bin.
The snap boxes must be arranged correctly in the other storage bin.