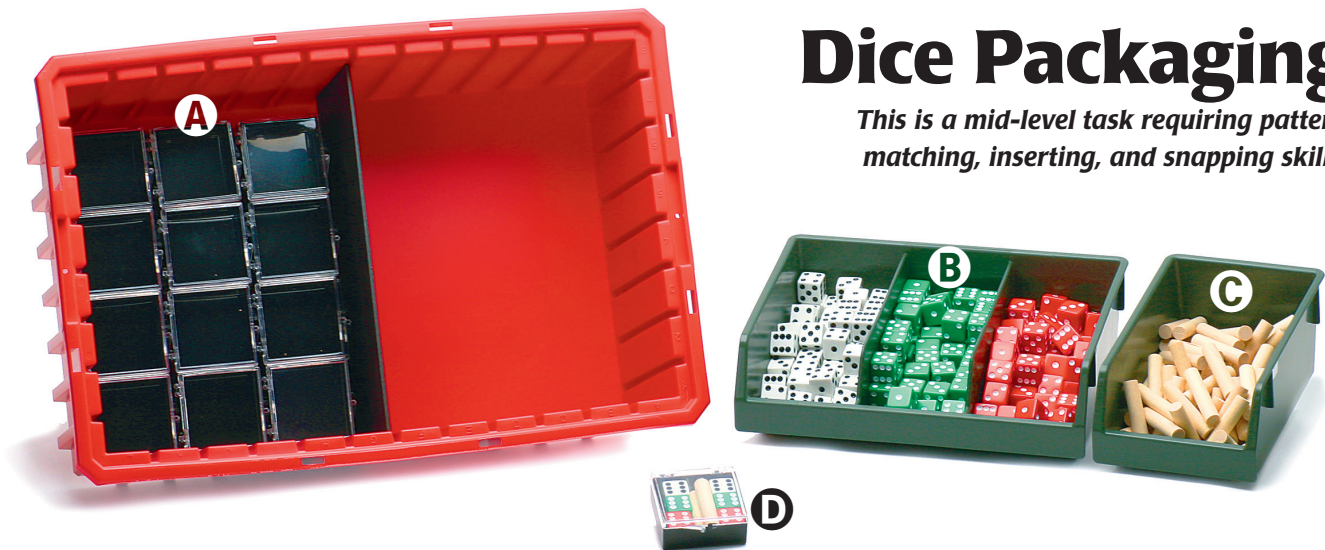


# Dice Packaging

*This is a mid-level task requiring pattern matching, inserting, and snapping skills.*



## Materials

- 36 plastic snap boxes (A)
- 216 dice in 3 colors (B)
- 72 wood dowels (C)
- 1 sample snap box (D)
- 1 3-compartment bin
- 1 small single-compartment bin
- 1 red storage bin, divided



*A completed unit.*

## Setup

Place the divided red storage bin to the left with the snap boxes in the left compartment. The storage bin can be flat on the table, or on its side, as shown. Place the 3-compartment bin with the color-sorted dice to the right. Place the small single-compartment bin with the dowels next to the dice bin. Place the sample snap box in the center.

## Procedure

- With one hand, take a snap box out of the red storage bin, open it with the other hand, and place it on the table.
- Take two **white dice** and place them in the box following the pattern in the sample box, with the "six" on top and the dots positioned vertically.
- Take two **green dice** and place them in the box following the pattern in the sample box, with the "six" on top and the dots positioned vertically.
- Take two **red dice** and place them in the box following the pattern in the sample box, with the "six" on top and the dots positioned vertically.
- Take two wood dowels and place them in the box following the pattern in the sample box.
- Snap the box closed.
- Take the box and place it in a back corner of the empty side of the divided red storage bin, with the snap facing to the right.
- Repeat all the previous steps with the remaining 35 boxes. Stack the completed units in 3 levels with 12 boxes per level.

## Norms:

Per unit – 25 seconds  
Per task (36 units) – 15 minutes

## Quality Criteria

The snap boxes must be filled with two of each of the pieces, with the dice arranged with the "six" side on top and the dot patterns positioned vertically as in the sample. The boxes must be snapped shut and stored with the snaps facing to the right, in 3 levels with 12 boxes per level.

# Dice Packaging Disassembly

## Setup

Arrange the materials as in the assembly task, except the sample box is not needed.

## Procedure

- With one hand, take a snap box out of the divided red storage bin. Open it with the other hand and dump the contents on the table toward the bins.
- Close the snap box and place it in a back corner of the empty side of the divided red storage bin with the snap facing to the right.
- Put the white dice in the left compartment of the 3-compartment bin.
- Put the green dice in the center compartment of the 3-compartment bin.
- Put the red dice in the right compartment of the 3-compartment bin.
- Put the wood dowels in the small single-compartment bin.
- Repeat all the previous steps for the remaining snap boxes. Store the empty snap boxes in 3 levels with 12 boxes per level.

## Note

*The dice and dowels may be taken and stored in any sequence depending on how they land on the table during disassembly. For example, if the red dice are easiest to grasp first, put them in the correct compartment of the 3-compartment bin first. Then take the next easiest dice and so on.*

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### Norms:

Per unit – 10 seconds  
Per task (36 units) – 6 minutes

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### Quality Criteria

All of the dice must be stored in the correct compartments, sorted by color. The wood dowels must all be in the small single-compartment bin. The snap boxes must be empty, snapped shut and stored with the snap facing to the right in 3 levels with 12 boxes per level.