

ACTIVITY 5: SPOT THE DIFFERENCE

Overview

- i. Two 10x10 grids of Legos will be presented to the competitors.
- ii. The goal is to spot the differences between the two grids.

Instructions

- i. Prior to the first bell, the competitor is shown a 3x3 grid and the various possible differences are discussed.
- ii. The answer sheet, pen and the two covered 10x10 grids are placed on the table in front of the seated competitor.
- iii. Once the bell is rung, the 10x10 grids are revealed and the competitor can begin to examine the differences.
- iv. The competitor must write the position of each difference between the grids under the relevant column. It is not necessary to identify the specifics of the change (e.g. red vs green) only the category.
- v. The competitor may not touch either grid.
- vi. The possible categories of the differences are:
 - a. **Color** (If the change is on a stacked cell, then the top (T) or bottom (B) block must be identified. If a T or B is required but not included, the answer will be counted as incorrect)
 - b. **Orientation** (vertical vs horizontal. E.g. if a block is rotated 90 degrees)
 - c. **Size** of brick
 - d. **Height** (1 vs 2 bricks tall)
 - e. **Shift** (for stacked blocks, the orientation is correct, but the blocks are on opposite sides.)
 - f. Note: it is not possible to have both an orientation and a shift change. Marking a box as such will be counted as incorrect.

Scoring

- i. Competitors receive 1 point per correctly identified difference.
- ii. Competitors are penalized 3 points per incorrectly identified difference.

Physical Requirements

- Answer Sheet
- Demo puzzle
- Full puzzle
- Puzzle covering