

Tic-Tac-Toe Bean Bag Toss

This is new way to play tic-tac-toe. The game uses eight bean bags: four of two colors. Play as teams with each boy answering a question about the story/lesson, getting a turn to toss a bean bag for their team. The center is wild. Three in a row wins! If a bean bag lands on top of another, the original bean bag is blocked and the new one counts.

Materials needed:

1. 17" x 19" x ¼" AC plywood for base.
2. 19" x 19" x ¼" AC plywood for sloping top.
3. 8 ½" x 17" x ¼" AC plywood (cut diagonally to make two sides).
4. Two 19" of 1" x 8" pine/spruce for ends of tic-tac-toe box (these 2 sides are 90° to base).
5. Two 17 ½" of 1" x 8" pine/spruce for sides of tic-tac-toe box (these 2 sides are slanted 60°).
6. Four 15" of 1" x 4" pine/spruce for interior partitions.
7. Two 19" x 8" x 1/8" Masonite (for 60° sloping walls).
8. One 19" x 8" x ¼" AC plywood for door.
9. Two 1" hinges, one clasp lock or cupboard spring latch with handle.
10. Four bean bags of one color, four bean bags of another color.
11. Misc. glue, nails, screws, paint, 2' of scrap 2" x 2".

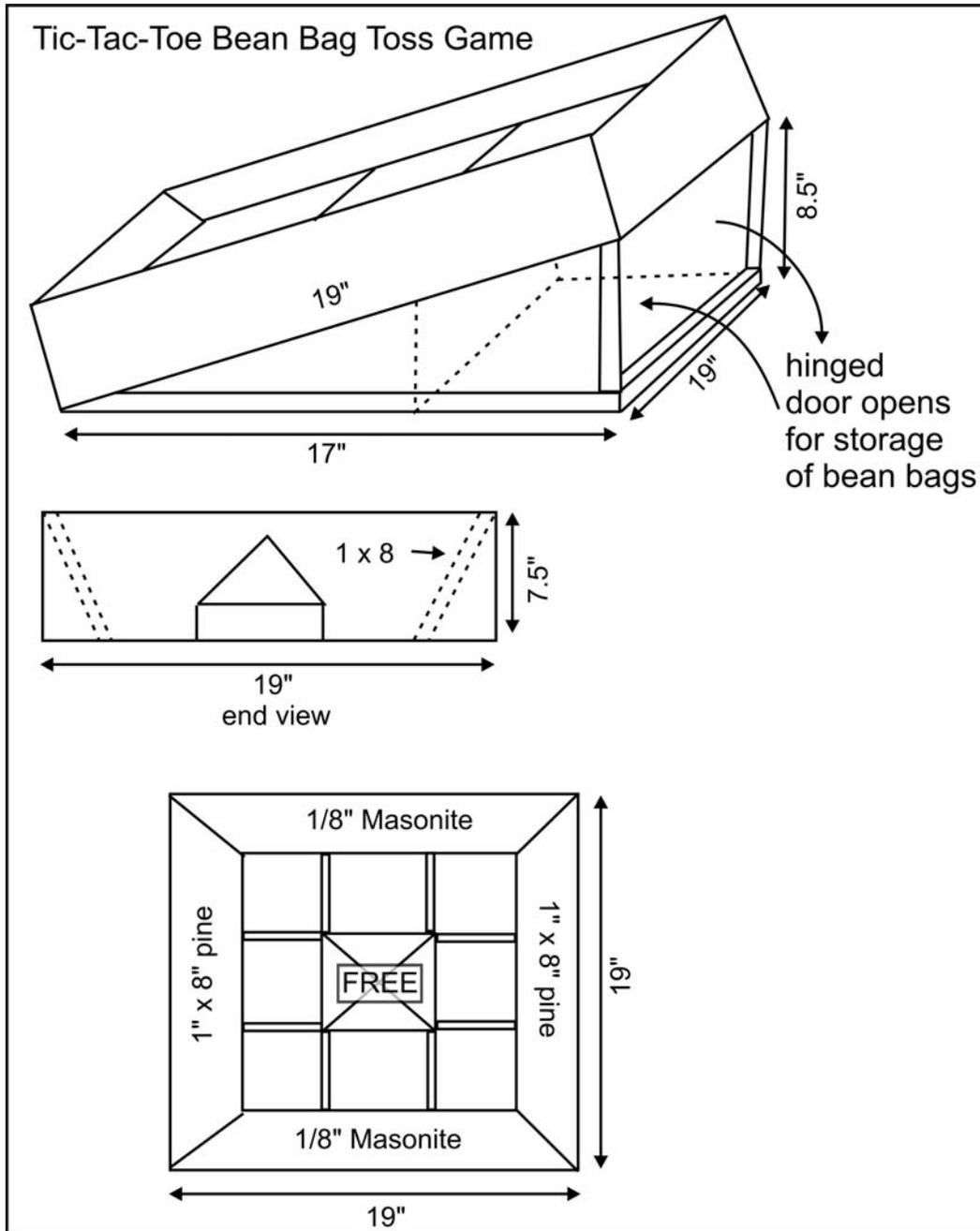


Tic-Tac-Toe game with storage door open. Note 'free' spot in the center is counted for either color bean bags to make three-in-a-row.

Assembly:

1. Assemble lower floor, middle partition (rear of bean bag storage area), and top plate (19" x 19" plywood) using 8 ½" of scrap 2 x 2 for corners.
2. Build frame for tic-tac-toe box using 19" x 1 x 8 for ends, and 17 ½" x 1 x 8, set at 60° for the sides.
3. Cut and add 1/8" Masonite to make the other two 60° sloping sides (see diagram).
4. Form 9 squares (partitions) in the box using 1 x 4 wood.
5. Make a four sided pyramid and glue (or press fit) it over the top of the center square (see diagram).
6. Attach the door (19" x 8") using hinges and hasp lock or cupboard spring latch with handle.
7. Paint as desired.

The pyramid in the center is treated as a free (wild) spot and counts for either color, so one only needs two bean bags to score diagonally. Of course one could leave the center open or make the pyramid loose fitting so it could be removed and stored in the bean bag storage box. If the center well is used, then you need 5 bean bags of each color. Keeping a couple of extra bean bags is a good idea.



Diagrams of perspective (top), cross-section view (middle) and top down view (bottom) of Tic-Tac-Toe Bean Bag Toss Game.