

30 - 45
Minute
Activity
For
Everyone

Marble Maze

Throughout history, mazes have been used by a variety of cultures for entertainment, to help people to achieve a certain goal, overcome a challenge or help obtain a desired mindset. Though mazes were most common in ancient times, they are still widely used today. Whether they be seasonal corn mazes, mirror mazes or mazes found on the back of a cereal box, searching for a solution is captivating. Here is an activity for you and your family to make your own marble maze at home.



Added Challenge!

Once you have solved your maze, test yourself on how fast you can complete it. Challenge other members of your family to see who is the fastest at solving the maze.

Reflection Questions:

- What was the biggest challenge in creating your own marble maze?
- Did anything stand out to you throughout the building of your maze?
- How challenging was your maze to solve?
- Are there any modifications you can add to increase the level of challenge?
- Why do you think mazes are so captivating?

Activity:

- After you've gathered everything to start crafting your own marble maze, using a pen and paper, make a draft design of what you envision your maze to look like.
- Draw the plan on the bottom of your cardboard box. Reflect on your maze design and modify it if need be.
- Cut thin strips, about a half centimeter wide, using excess cardboard. These cardboard strips should be cut to match the maze design drawn on the bottom of your cardboard box.
- Glue the strips of cardboard to the bottom of your box following the design that is drawn. After all your cardboard strips are glued in place, set the maze to the side and let the glue dry.
- Once the glue is dry, write on the maze where the marble should start and finish. Add any additional decorations that you want and then try and solve your maze.

Materials Needed:

- Small Cardboard Box
- Extra Cardboard
- Marker
- Glue or Tape
- Scissors
- Marble, Small Ball or Bead
- Pen and Paper
- Optional: Art Supplies to Decorate