

JR-ENGINEERS

PENNY SPINNER

You can make these fun paper spinner toys out of simple household materials!

INSTRUCTIONS

STEP 1: Draw a circle by tracing around the outside of the cup using the pen. Then cut out the circle.

STEP 2: Use a ruler to find the center of the circle and mark it with a pen.

STEP 3: Place the ruler on the center of the circle and draw a line to create halves.

STEP 4: Then turn the circle and draw another line across the circle to create quarters.

STEP 5: Draw two more lines through the center of each quarter to create eighths.

STEP 6: Use the markers to color each eighth or draw patterns in each section.

STEP 7: Cut a slit in the center of the circle slightly smaller than a penny. Push the penny through the slit.

STEP 8: Holding the penny between your fingers, spin the penny spinner on a flat surface.

HOW DOES A PENNY SPINNER SPIN?

The simplest answer is that something in motion including spinning will stay spinning unless a force is acted upon it. Although the penny spinner doesn't spin on a tiny point it still shares similar qualities with a traditional top in that it uses something called the conservation of angular momentum to keep spinning.

SUPPLIES

Paper plate

Round cup

Pen

Ruler

Markers

Scissors

Penny

