

Nutrition and Health

Topic/Learning objectives of the exhibit:

Fractions, percentages, pie charts, mental arithmetic and problem-solving skills

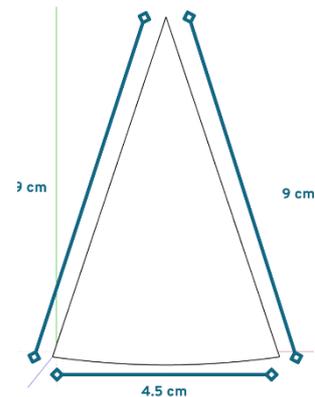
List of Materials Required:

- 2 A4 hard paper for printing circles
- 2 A4 hard/plain paper for printing dice shapes (2 if printing both fractions and percentages)
- Ruler
- Scissors
- Strong holding glue

Step-by-step Construction

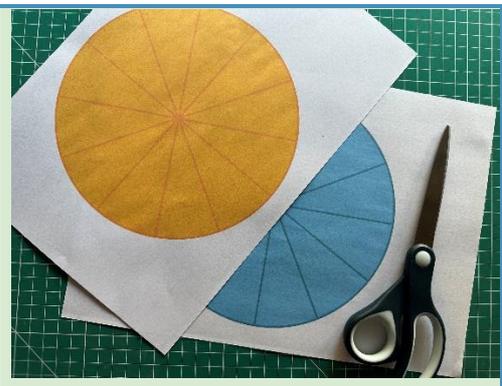
Segments

Estimated Time: 15-20 minutes



Step 1: Print out the circles

Print out the circles in 2 different colours on hard paper.



Step 2: Cut out the segments

Use scissors to cut out the segments of the circle.

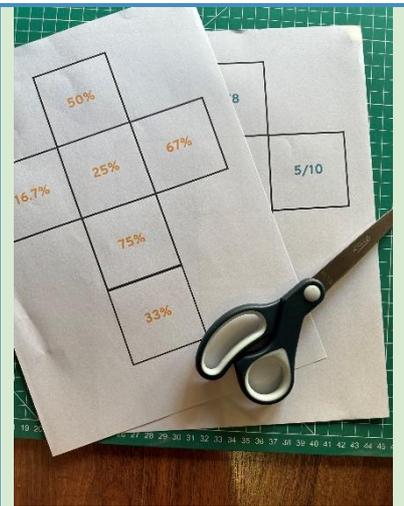


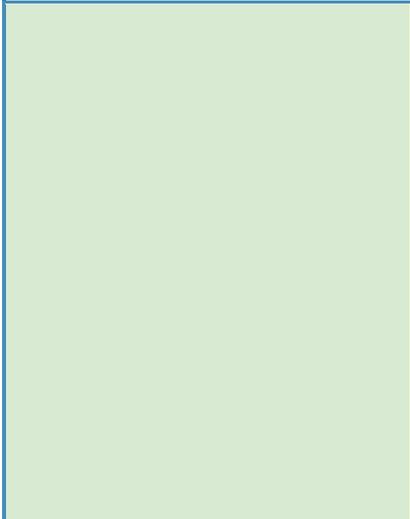
Dice

Estimated Time: 10-15 minutes

Step 1: Print out the dice with fractions/percentages and cut them out.

Create 6 squares with 6 x 6 dimensions making out a cross and write the fractions/percentages on them. Print it out and use scissors to cut it.





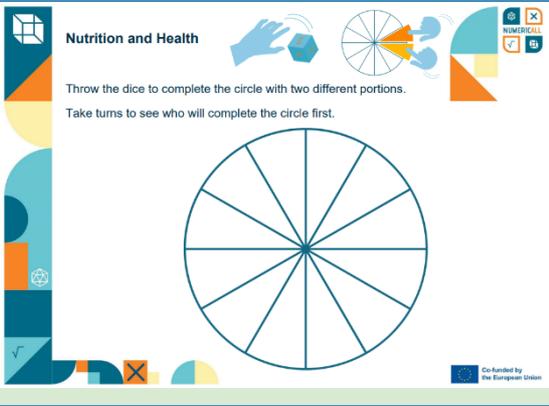
Step 2: Glue the sides

Use glue on each side of the dice and stick them together. Apply pressure and wait for 10 minutes to make sure that the pieces stick together.



Assembly

Estimated Time: 5 minutes

<p>Step 1: Prepare the exhibit board</p>	<p>Print out the corresponding board on A3 paper and laminate it (optional).</p>	 <p>Nutrition and Health</p> <p>Throw the dice to complete the circle with two different portions. Take turns to see who will complete the circle first.</p> <p>The image shows a circular board divided into 12 equal segments. Above the board, there are illustrations of hands holding a die and a circular spinner with colored segments. The board is surrounded by colorful geometric shapes like triangles and circles. A small logo in the top right corner reads 'Co-funded by the European Union'.</p>
<p>Step 2: Ready to use</p>	<p>You are ready to use the exhibit!</p>	 <p>Nutrition and Health</p> <p>Throw the dice to complete the circle with two different portions. Take turns to see who will complete the circle first.</p> <p>The image is identical to the previous one, but it includes two dice. One die shows the fraction $\frac{2}{6}$ and the other shows 50%. The board and spinner are in the same position.</p>

Observations

The triangles can be made using PVC or a 3D printer. The dice can be bought from a store, made with wood or a 3D printer.