

# How to make a Rainbow



clay color & size
1 red ball 1.5cm in diameter
1 orange ball 1.5cm in diameter
1 yellow ball 1.5cm in diameter
1 light green ball 1.5cm in diameter
1 green ball 1.5cm in diameter
1 light blue ball 1.5cm in diameter
1 blue ball 1.5cm in diameter
4 white balls 1.7cm in diameter
8 white balls 1.4cm in diameter
8 white balls 1.1cm in diameter

## < Tools needed to make a rainbow >

a ruler (20cm or more), scissors, a cup of water, wood glue, mixed wood glue and water, a wet towel, a thin brush for painting, a transparent plastic thin material to cover this sheet

### 1. Make seven balls in all different colors.

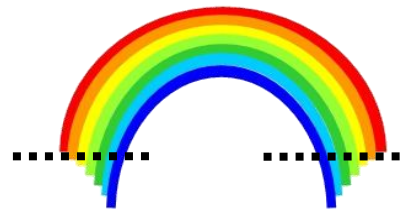
Use red, orange, yellow, light green, green, light blue, and blue. Make even-sized balls 1.5cm in diameter.



### 2. Turn them into cylinder sticks and then arches.

- ① Take the red ball and put it on the table. Hold a ruler with both of your hands and put it on the ball. Move the ruler back and forth to make an 18cm cylinder stick.
- ② Then put it on the picture below, which is the actual size, to make an arch. Make sure this sheet is covered with transparent plastic thin material such as a shop ticket holder in order for the clay not to stick to the sheet.
- ③ Repeat for the all seven colors. Make sure the orange sticks to red and yellow sticks to orange and so on. If they don't stick together, glue them. (Mix wood glue and water in the proportion of two to one.)

- ④ Once you finish putting the arches together, cut both ends with scissors so that both ends are straight across.



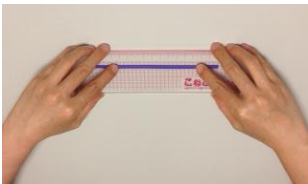
(You can make a rainbow ball using the ones that are cut off.)

### 3. Make clouds at both ends of the rainbow.

- ① Take a stick of white clay. Knead it well. Divide it into five equal parts.
- ② Put two of them together, knead it well and then make four even-sized balls.
- ③ Then put another two of them together and make eight even-sized balls.
- ④ Next from the last part, make eight even-sized balls.
- ⑤ Finally, put the balls on both ends of the rainbow to make clouds so that the rainbow will stand.



### How to hold a ruler



Hold a ruler with both of your hands.

