

# 원의 위치 관계

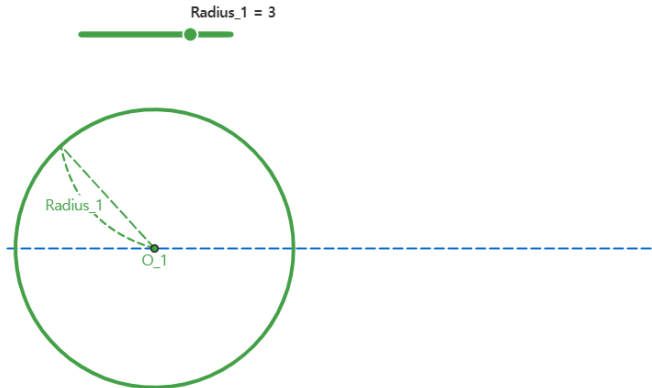
(The positional relationship of the circle)

# The positional relationship of the circle

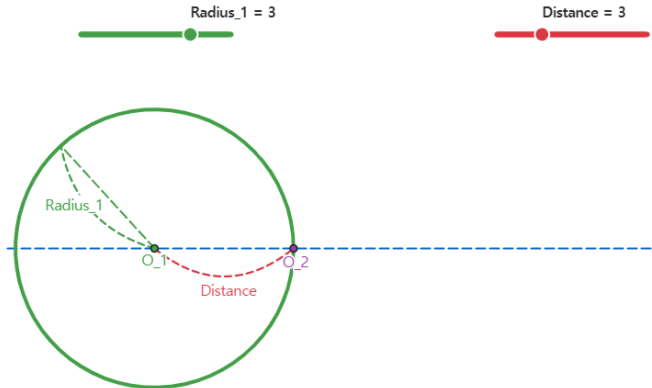
# The positional relationship of the circle



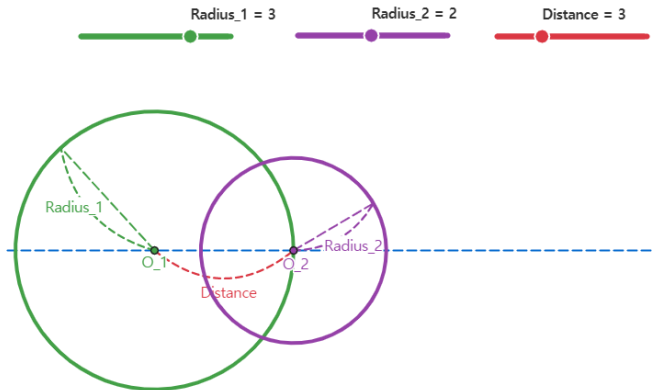
# The positional relationship of the circle



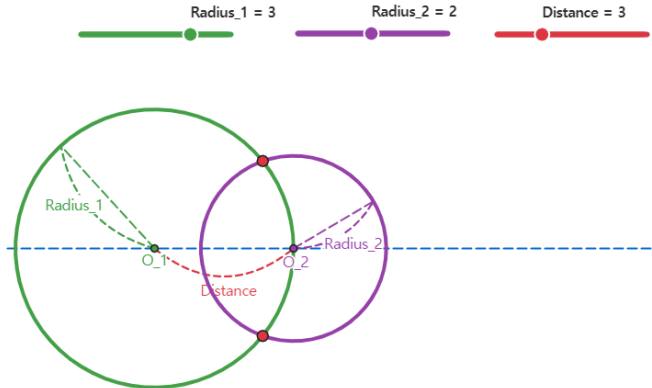
# The positional relationship of the circle



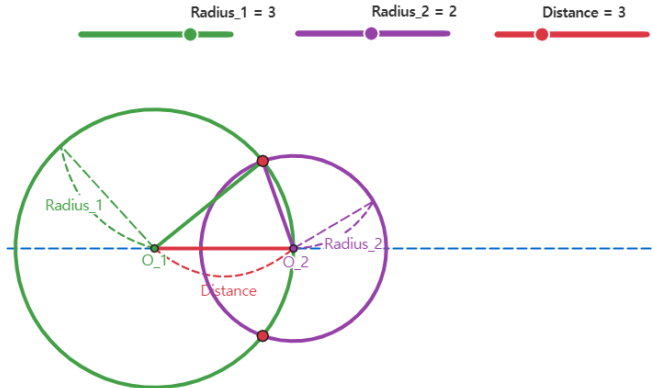
# The positional relationship of the circle



# The positional relationship of the circle

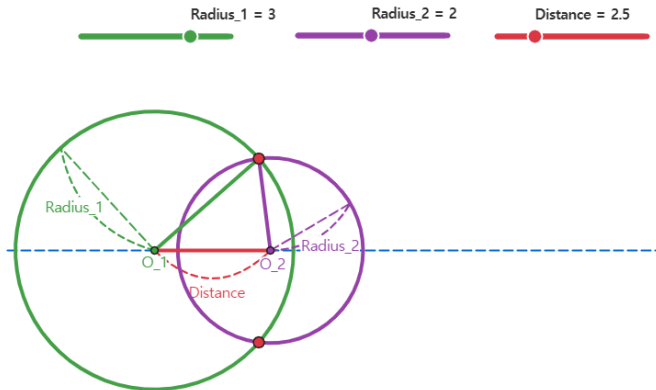


# The positional relationship of the circle





## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

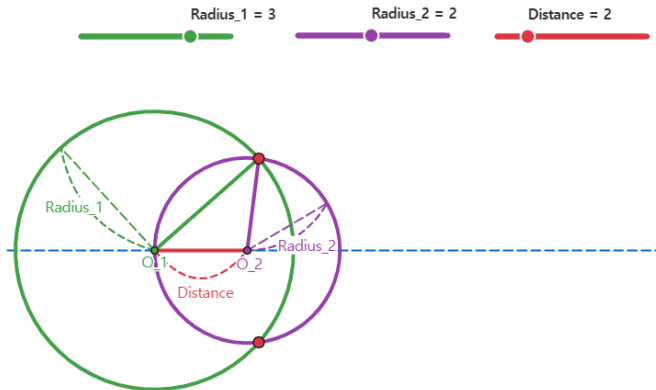
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 2.5$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

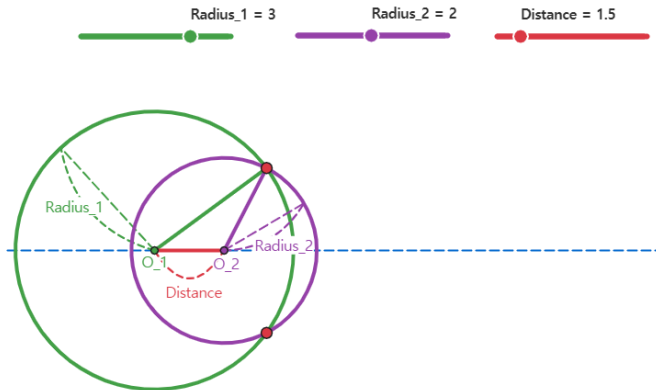
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 2$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

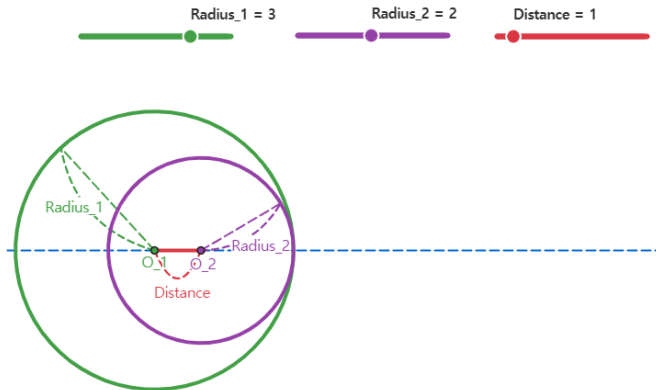
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 1.5$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

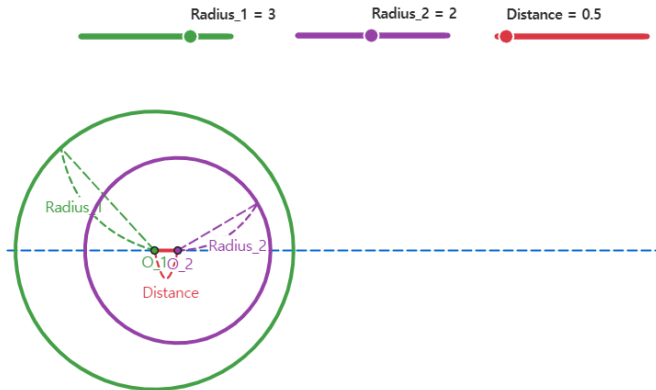
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 1$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

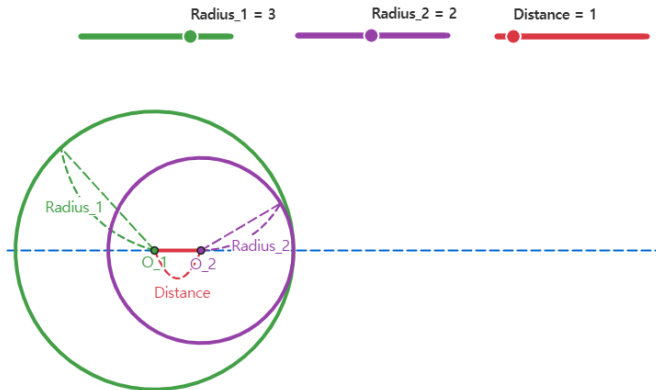
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 0.5$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

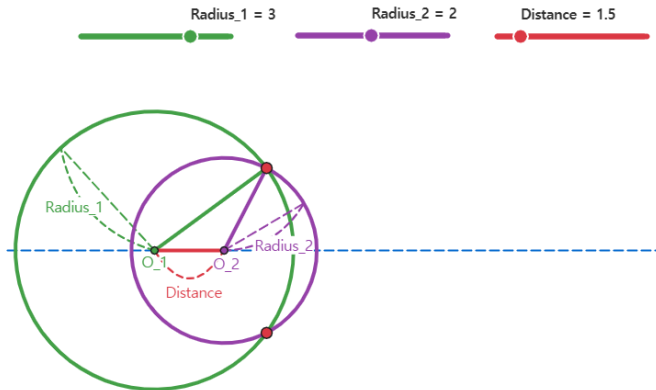
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 1$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

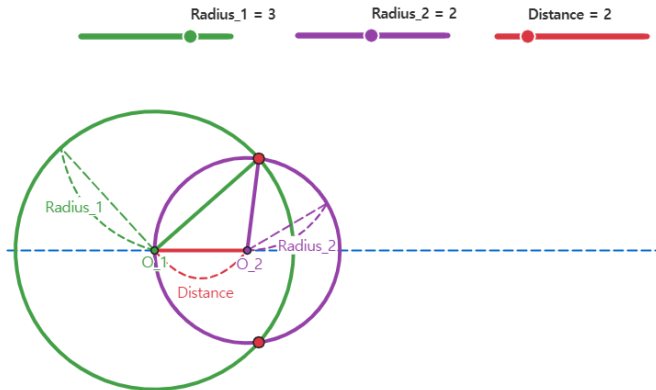
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 1.5$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

$$\text{Radius}_1 + \text{Radius}_2 = 5$$

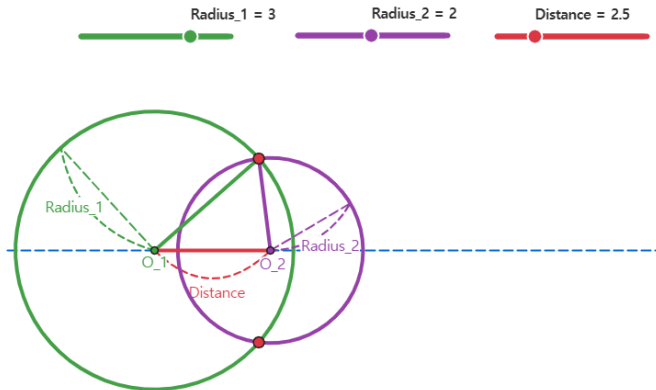
$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 2$$



## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

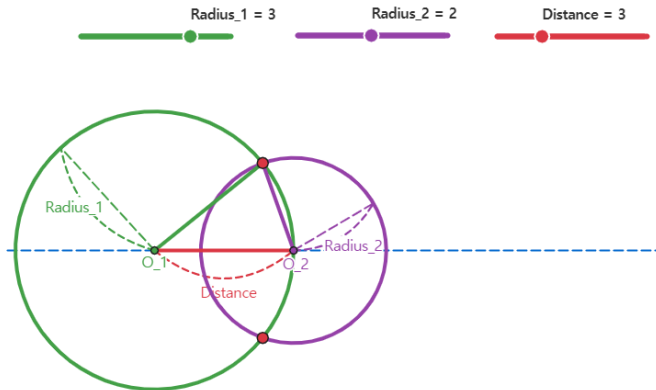
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 2.5$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

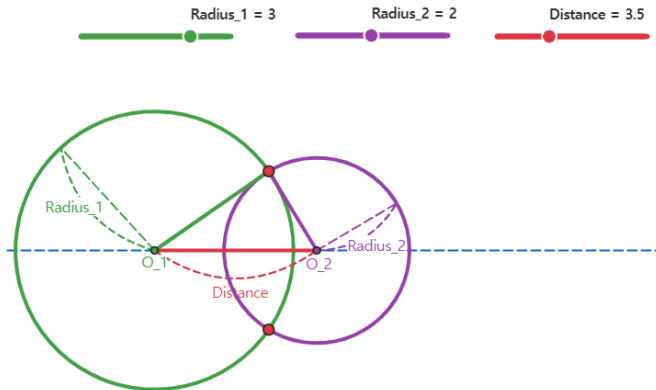
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 3$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

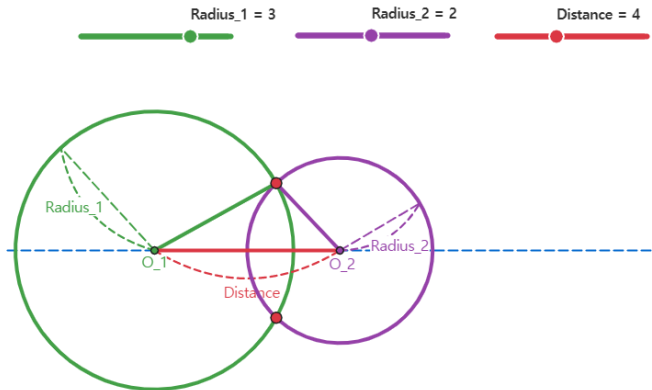
$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$\text{Radius}_2 = 2$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

$$\text{Distance} = 3.5$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

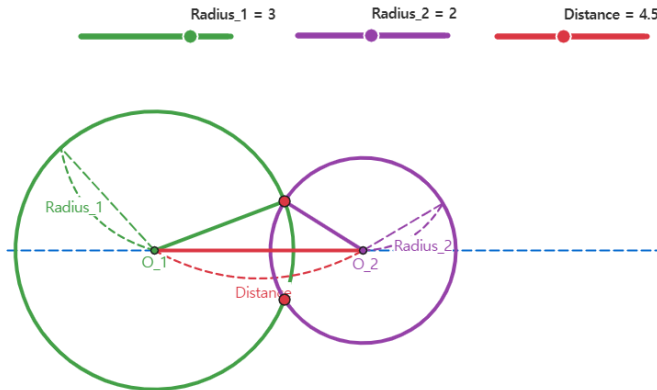
$$\text{Radius}_2 = 2$$

$$\text{Distance} = 4$$

$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

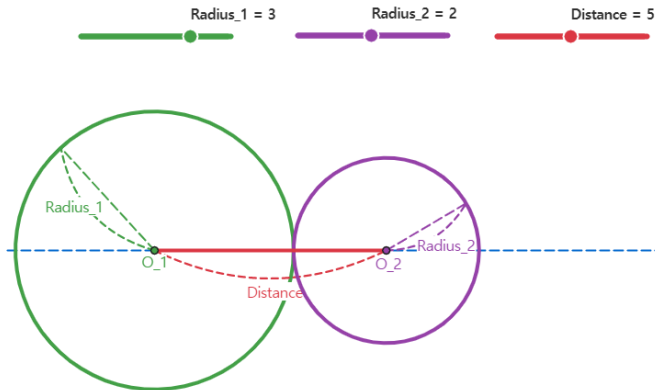
$$\text{Radius}_2 = 2$$

$$\text{Distance} = 4.5$$

$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

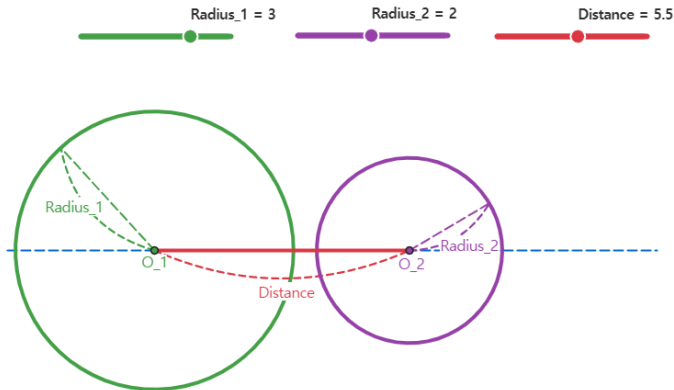
$$\text{Radius}_2 = 2$$

$$\text{Distance} = 5$$

$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

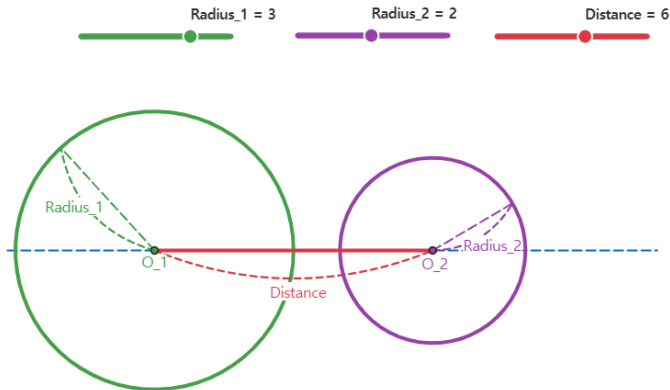
$$\text{Radius}_2 = 2$$

$$\text{Distance} = 5.5$$

$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$

## The positional relationship of the circle



$$\text{Radius}_1 = 3$$

$$\text{Radius}_2 = 2$$

$$\text{Distance} = 6$$

$$\text{Radius}_1 + \text{Radius}_2 = 5$$

$$|\text{Radius}_1 - \text{Radius}_2| = 1$$



YouTube: [https://youtu.be/5G9A\\_2kk7xE](https://youtu.be/5G9A_2kk7xE)

AlgeoMath: <http://me2.do/Gywh018m>

Click or paste URL into the URL search bar, and you can see a picture moving.