

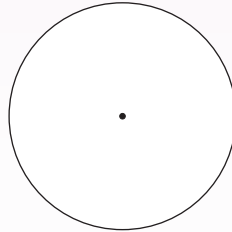
A. Teaching basic fraction concepts and operations using arc sectors

2. A fraction greater than 1

Draw the fraction $\frac{5}{3}$ using an appropriate partitioning ring:

a. Into how many equal parts should we divide the circle? _____

Divide the circle into 3 equal parts.



b. Now we have to color some of the parts.

How many parts should we color? _____

Discussion

What can we do?

c. Draw a second circle next to the above circle, using the partitioning rings.

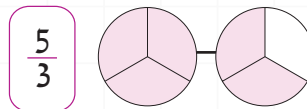
Divide the second circle too into 3 equal parts.

Color more parts, until you have 5 colored parts.

Draw a line connecting the two circles.



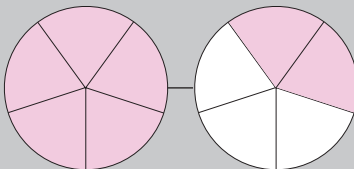
Is your drawing similar to this one?



Group discussion: What is new in this fraction?

example

$$\frac{7}{5}$$



The operation instructions of the fraction:

The **numerator** tells us how many of the equal parts we should color.

The **fraction bar** tells us that we should divide the circle into equal parts.

The **denominator** tells us into how many equal parts we should divide the circle.