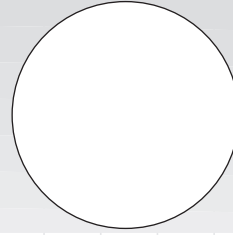


## A. Teaching basic fraction concepts and operations using arc sectors

### 1. A fraction smaller than 1

The circle is the unit.

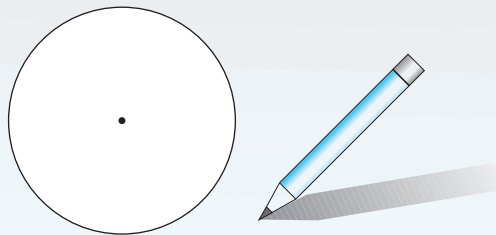


a. Try to draw the fraction  $\frac{2}{5}$  in the above circle

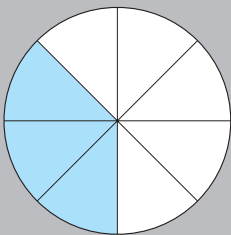
#### Discussion

Who can suggest how to draw the fraction?

b. Take the cardboard with the partitioning rings and use it to draw the fraction  $\frac{2}{5}$  in the circle.



#### example



$\frac{3}{8}$

#### 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.