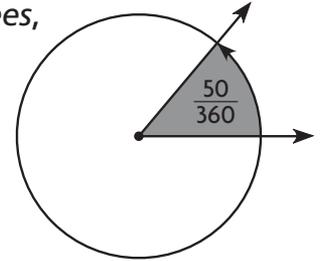


Degrees

Angles are measured in units called **degrees**. The symbol for degrees is $^\circ$. If a circle is divided into 360 equal parts, called *degrees*, then an angle that turns through 1 part of the 360 measures 1° .

An angle that turns through $\frac{50}{360}$ of a circle measures 50° .



Find the measure of an angle that turns through $\frac{1}{6}$ of a circle.

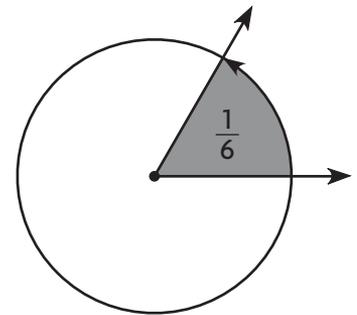
Step 1 Find a fraction that is equivalent to $\frac{1}{6}$ with 360 in the denominator. **Think:** $6 \times 60 = 360$.

$$\frac{1}{6} = \frac{1 \times 60}{6 \times 60} = \frac{60}{360}$$

Step 2 Look at the numerator of $\frac{60}{360}$.

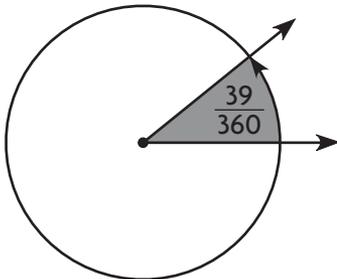
The numerator tells how many degrees are in $\frac{1}{6}$ of a circle.

So, an angle that turns through $\frac{1}{6}$ of a circle measures 60° .

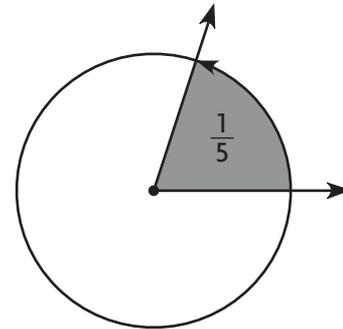


Tell the measure of the angle in degrees.

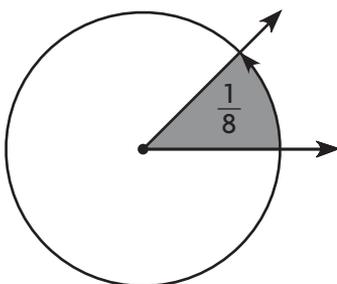
1



2



3



4

