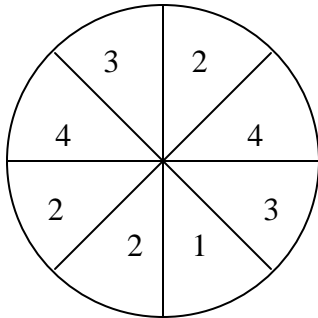


1. The circular region below has 8 non-overlapping sectors of equal size. If the spinner shown is equally likely to stop on each sector, what is the probability that the spinner will stop on a sector labeled 2?

**Show all work.**



2. How many revolutions are made in 5 minutes by a fan that makes 30 revolutions per second?

**Show all work.**