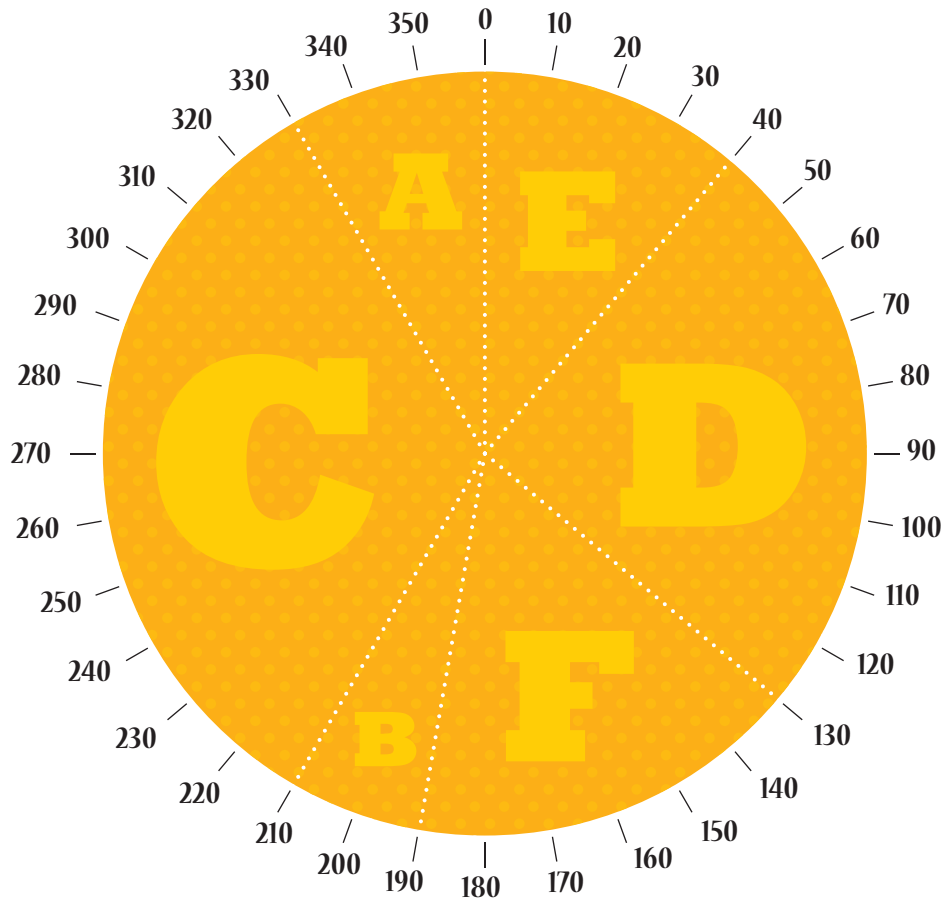


Probability Darts

Find the portion of the dart board that each panel occupies and use your knowledge of degrees and fractions to answer the following questions about probability.

REMEMBER: Probability is the likelihood a given outcome will occur. It is expressed as a fraction.



ANSWERS

Fractions

A $\frac{1}{12}$

$30^\circ/360^\circ$

B $\frac{1}{18}$

C $\frac{1}{3}$

D $\frac{1}{4}$

E $\frac{1}{9}$

F $\frac{1}{6}$

Use the information above to answer the questions below.

- 1 Is it more likely that the dart will hit Panel A or Panel D? Why?
D - It is more likely to hit panel D because $1/4$ is greater than $1/12$
- 2 What is the probability that the next dart thrown hits a panel with a consonant?
 $1/18 + 1/3 + 1/4 + 1/6 = 29/36$
- 3 What is the probability that the next dart thrown hits a panel that alphabetically comes after C?
 $1/4 + 1/9 + 1/6 = 19/36$