

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 $\frac{1}{18}$

$\frac{20^\circ}{360^\circ}$

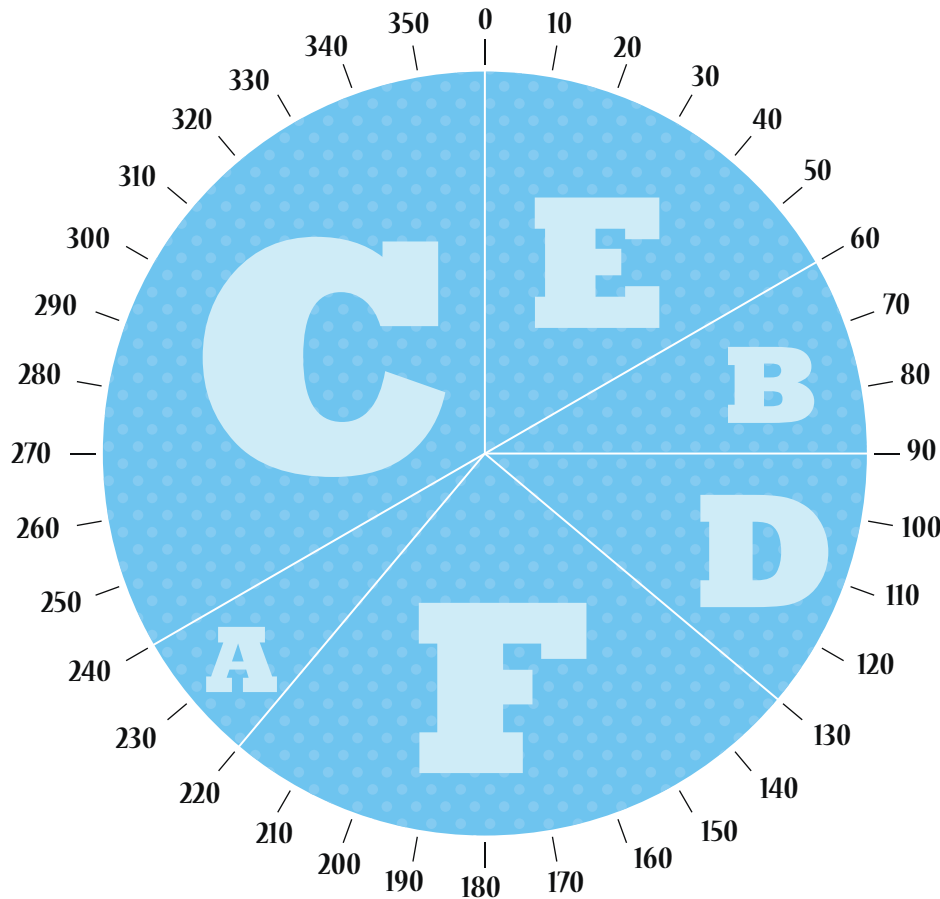
B $\frac{1}{12}$

C $\frac{1}{3}$

D $\frac{1}{9}$

E $\frac{1}{6}$

F $\frac{1}{4}$



Use the information above to answer the questions below.

- Is the next dart more likely to hit panel C, E, or F? Why?
C - It is more like to hit panel C because $\frac{1}{3}$ is greater than $\frac{1}{6}$ and $\frac{1}{4}$
- What is the probability that the next dart thrown hits a panel with a letter that comes after C alphabetically?
 $\frac{1}{9} + \frac{1}{6} + \frac{1}{4} = \frac{29}{36}$
- Write the letters of the panel in the order of most to least probable of being hit.
C F E D B A