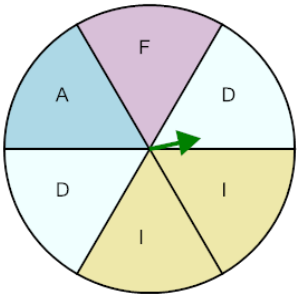
Name

Probability - Spinner, Two Spins, Either Answer, To Equation

1 Calculate the probability of spinning I at least once, given two spins. Show as an equation



P(I in 2 spins)

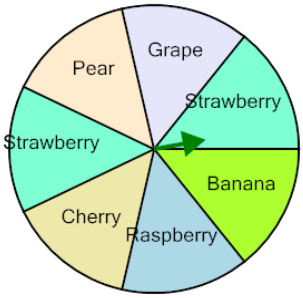
A $\frac{2}{6} + \frac{2}{6} - \frac{2}{6} \cdot \frac{2}{6}$

B $\frac{5}{8} + \frac{5}{6} \cdot \frac{9}{8}$

C $\frac{8}{5} + \frac{4}{7} \cdot \frac{5}{6}$

D $\frac{2}{6} + \frac{2}{6} + \frac{2}{6} \cdot \frac{2}{6}$

2 Calculate the probability of spinning Pear at least once, given two spins. Show as an equation



P(Pear in 2 spins)

A $\frac{1}{7} + \frac{1}{7} - \frac{1}{7} \cdot \frac{1}{7}$

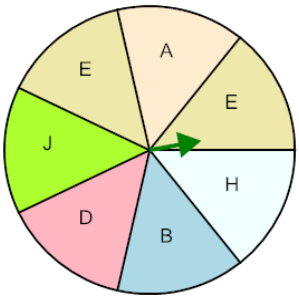
B $\frac{7}{5} - \frac{3}{7} \cdot \frac{4}{5}$

C $\frac{4}{5} + \frac{2}{6} \cdot \frac{11}{6}$

D $\frac{8}{9} + \frac{2}{9} \cdot \frac{10}{5}$

E $\frac{4}{6} - \frac{0}{8} \cdot \frac{11}{8}$

3 Calculate the probability of spinning A at least once, given two spins. Show as an equation



P(A in 2 spins)

A $\frac{4}{7} - \frac{2}{5} \cdot \frac{10}{6}$

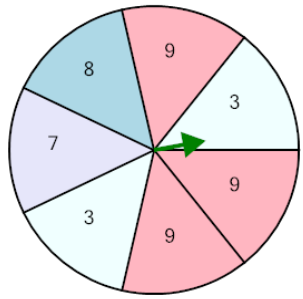
B $\frac{7}{5} + \frac{2}{5} \cdot \frac{6}{8}$

C $\frac{1}{7} + \frac{1}{7} - \frac{1}{7} \cdot \frac{1}{7}$

D $\frac{5}{9} - \frac{6}{8} \cdot \frac{9}{8}$

E $\frac{1}{7} + \frac{1}{7} + \frac{1}{7} \cdot \frac{1}{7}$

4 Calculate the probability of spinning 9 at least once, given two spins. Show as an equation



P(9 in 2 spins)

A $\frac{11}{9} - \frac{5}{7} \cdot \frac{16}{8}$

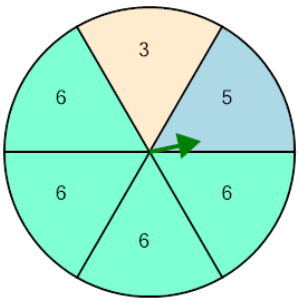
B $\frac{18}{8} + \frac{8}{8} \cdot \frac{12}{7}$

C $\frac{3}{7} + \frac{3}{7} + \frac{3}{7} \cdot \frac{3}{7}$

D $\frac{12}{9} - \frac{1}{5} \cdot \frac{15}{5}$

E $\frac{3}{7} + \frac{3}{7} - \frac{3}{7} \cdot \frac{3}{7}$

5 Calculate the probability of spinning 6 at least once, given two spins. Show as an equation



P(6 in 2 spins)

A $\frac{12}{8} - \frac{3}{5} \cdot \frac{7}{6}$

B $\frac{4}{6} + \frac{4}{6} - \frac{4}{6} \cdot \frac{4}{6}$

C $\frac{4}{6} + \frac{4}{6} + \frac{4}{6} \cdot \frac{4}{6}$

D $\frac{15}{4} + \frac{1}{7} \cdot \frac{7}{6}$

E $\frac{11}{8} - \frac{4}{7} \cdot \frac{9}{4}$

6 Calculate the probability of spinning Running at least once, given two spins. Show as an equation

P(Running in 2 spins)

A $\frac{14}{5} - \frac{4}{9} \cdot \frac{17}{7}$

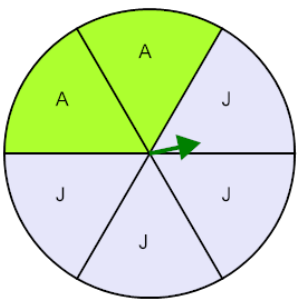
B $\frac{16}{5} + \frac{4}{6} \cdot \frac{12}{7}$

C $\frac{5}{7} + \frac{5}{7} - \frac{5}{7} \cdot \frac{5}{7}$

D $\frac{15}{6} + \frac{1}{5} \cdot \frac{16}{7}$

E $\frac{14}{5} - \frac{5}{8} \cdot \frac{12}{8}$

7 Calculate the probability of spinning J at least once, given two spins. Show as an equation



P(J in 2 spins)

A $\frac{12}{7} - \frac{5}{6} \cdot \frac{14}{4}$

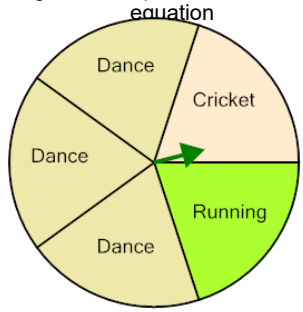
B $\frac{4}{6} + \frac{4}{6} - \frac{4}{6} \cdot \frac{4}{6}$

C $\frac{8}{6} - \frac{8}{6} \cdot \frac{13}{4}$

D $\frac{9}{7} - \frac{6}{5} \cdot \frac{7}{8}$

E $\frac{4}{6} + \frac{4}{6} + \frac{4}{6} \cdot \frac{4}{6}$

8 Calculate the probability of spinning Dance at least once, given two spins. Show as an equation



P(Dance in 2 spins)

A $\frac{9}{3} + \frac{2}{6} \cdot \frac{10}{6}$

B $\frac{8}{4} - \frac{3}{3} \cdot \frac{12}{4}$

C $\frac{3}{5} + \frac{3}{5} - \frac{3}{5} \cdot \frac{3}{5}$

D $\frac{11}{3} + \frac{5}{7} \cdot \frac{6}{7}$

E $\frac{10}{5} - \frac{2}{6} \cdot \frac{4}{7}$