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Math worksheet on *'Probability - Spinner, Two Spins, Either Answer, To Equation (Level 2)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

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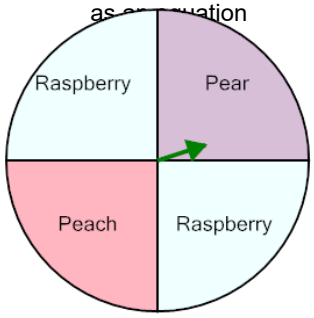
1 Calculate the probability of spinning Raspberry at least once, given two spins. Show as an equation



P(Raspberry in 2 spins)

a $\frac{9}{2} + \frac{7}{5} \cdot \frac{5}{6}$

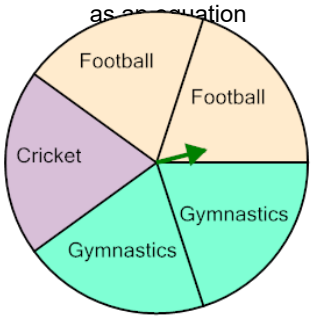
b $\frac{10}{5} + \frac{0}{4} \cdot \frac{6}{4}$

c $\frac{4}{5} + \frac{6}{4} \cdot \frac{8}{4}$

d $\frac{3}{3} - \frac{4}{3} \cdot \frac{10}{4}$

e $\frac{2}{4} + \frac{2}{4} - \frac{2}{4} \cdot \frac{2}{4}$

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



P(Gymnastics in 2 spins)

a $\frac{6}{3} - \frac{2}{7} \cdot \frac{10}{5}$

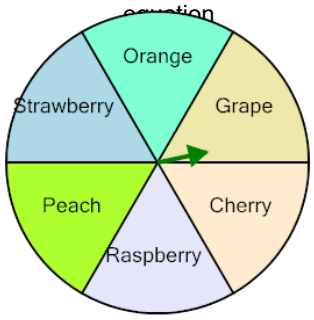
b $\frac{2}{5} + \frac{2}{5} + \frac{2}{5} \cdot \frac{2}{5}$

c $\frac{12}{4} + \frac{5}{5} \cdot \frac{3}{6}$

d $\frac{2}{5} + \frac{2}{5} - \frac{2}{5} \cdot \frac{2}{5}$

e $\frac{3}{7} - \frac{5}{3} \cdot \frac{6}{4}$

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



P(Orange in 2 spins)

a $\frac{4}{7} + \frac{1}{7} \cdot \frac{4}{8}$

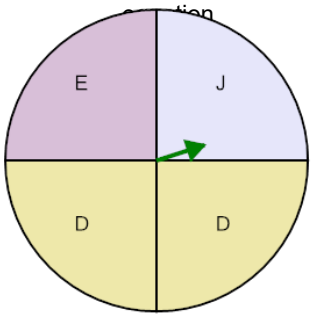
b $\frac{1}{6} + \frac{1}{6} - \frac{1}{6} \cdot \frac{1}{6}$

c $\frac{5}{8} - \frac{1}{7} \cdot \frac{4}{5}$

d $\frac{2}{8} - \frac{1}{5} \cdot \frac{7}{4}$

e $\frac{6}{7} + \frac{0}{5} \cdot \frac{9}{8}$

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



P(D in 2 spins)

a $\frac{6}{2} + \frac{2}{6} \cdot \frac{4}{6}$

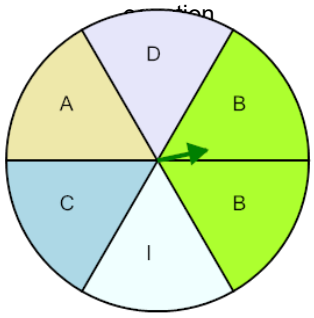
b $\frac{8}{6} - \frac{1}{2} \cdot \frac{5}{3}$

c $\frac{2}{4} + \frac{2}{4} - \frac{2}{4} \cdot \frac{2}{4}$

d $\frac{2}{4} + \frac{2}{4} + \frac{2}{4} \cdot \frac{2}{4}$

e $\frac{1}{4} - \frac{2}{5} \cdot \frac{1}{2}$

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



P(C in 2 spins)

a $\frac{1}{6} + \frac{1}{6} + \frac{1}{6} \cdot \frac{1}{6}$

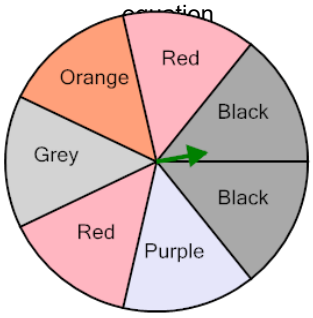
b $\frac{4}{6} + \frac{2}{5} \cdot \frac{7}{8}$

c $\frac{1}{6} + \frac{1}{6} - \frac{1}{6} \cdot \frac{1}{6}$

d $\frac{3}{6} + \frac{1}{8} \cdot \frac{5}{7}$

e $\frac{7}{7} - \frac{0}{6} \cdot \frac{8}{4}$

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



P(Orange in 2 spins)

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

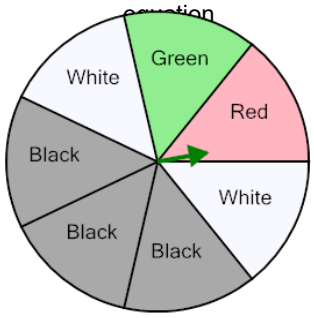
b $\frac{2}{7} - \frac{5}{9} \cdot \frac{8}{9}$

c $\frac{8}{5} + \frac{5}{7} \cdot \frac{11}{8}$

d $\frac{9}{6} - \frac{4}{8} \cdot \frac{6}{6}$

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

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



P(White in 2 spins)

a $\frac{9}{7} - \frac{2}{9} \cdot \frac{16}{8}$

b $\frac{11}{5} + \frac{1}{9} \cdot \frac{9}{5}$

c $\frac{11}{6} + \frac{4}{7} \cdot \frac{10}{5}$

d $\frac{2}{7} + \frac{2}{7} - \frac{2}{7} \cdot \frac{2}{7}$

e $\frac{2}{7} + \frac{2}{7} + \frac{2}{7} \cdot \frac{2}{7}$