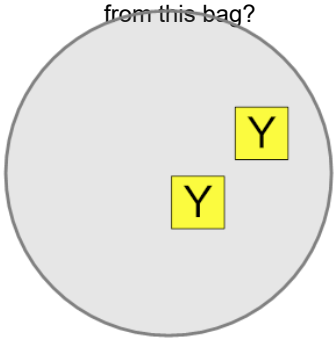
Math worksheet on *'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Advanced'*

Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

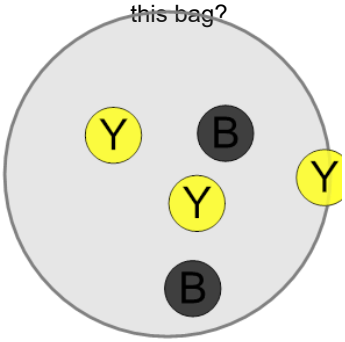
1 What is the equation for the chance of drawing two yellow squares in a row at random from this bag?



a $\frac{1}{2} \cdot \frac{1}{3}$ **b** $\frac{2}{2} \cdot 1$ **c** $\frac{2}{5} \cdot \frac{2}{4}$

d $\frac{3}{6} \cdot \frac{2}{6}$ **e** $\frac{4}{8} \cdot \frac{2}{3}$ **f** $\frac{1}{3} \cdot \frac{2}{8}$

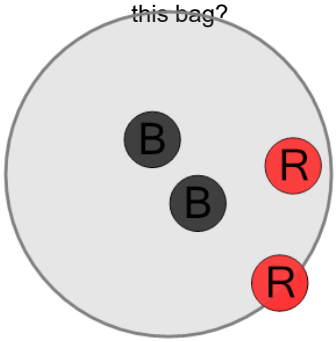
2 What is the equation for the chance of drawing two yellow circles in a row at random from this bag?



a $\frac{1}{2} \cdot \frac{1}{3}$ **b** $\frac{3}{5} \cdot \frac{2}{4}$ **c** $\frac{3}{3} \cdot \frac{5}{8}$

d $\frac{5}{6} \cdot \frac{4}{6}$ **e** $\frac{3}{10} \cdot \frac{3}{4}$ **f** $\frac{2}{3} \cdot \frac{1}{8}$

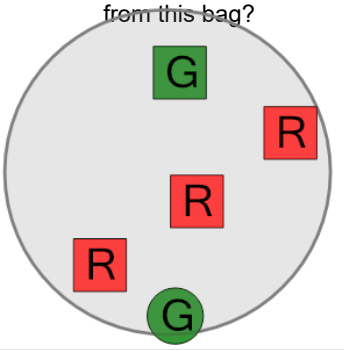
3 What is the equation for the chance of drawing two red circles in a row at random from this bag?



a $\frac{2}{10} \cdot \frac{1}{4}$ **b** $\frac{2}{4} \cdot \frac{1}{3}$ **c** $\frac{2}{2} \cdot \frac{1}{10}$

d $\frac{2}{6} \cdot \frac{3}{5}$ **e** $\frac{1}{3} \cdot \frac{2}{4}$ **f** $\frac{3}{4} \cdot \frac{3}{4}$

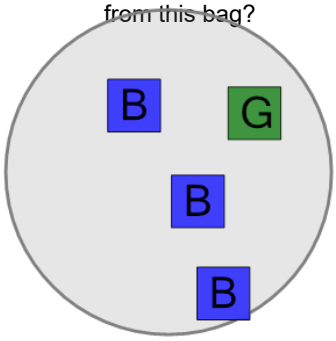
4 What is the equation for the chance of drawing two red squares in a row at random from this bag?



a $\frac{3}{4} \cdot \frac{1}{5}$ **b** $\frac{3}{5} \cdot \frac{2}{4}$ **c** $\frac{2}{6} \cdot \frac{3}{5}$

d $\frac{2}{2} \cdot \frac{2}{10}$ **e** $\frac{3}{4} \cdot \frac{1}{3}$ **f** $\frac{2}{4} \cdot \frac{2}{2}$

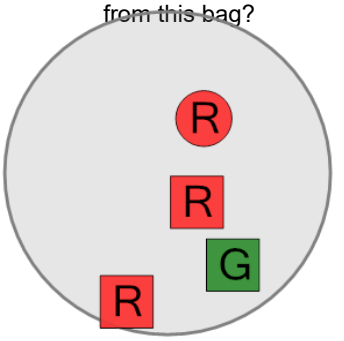
5 What is the equation for the chance of drawing two blue squares in a row at random from this bag?



a $\frac{1}{6} \cdot \frac{1}{5}$ **b** $\frac{2}{8} \cdot \frac{2}{2}$ **c** $\frac{2}{3} \cdot \frac{2}{2}$

d $\frac{3}{4} \cdot \frac{2}{3}$ **e** $\frac{2}{3} \cdot \frac{1}{6}$ **f** $\frac{3}{3} \cdot \frac{1}{10}$

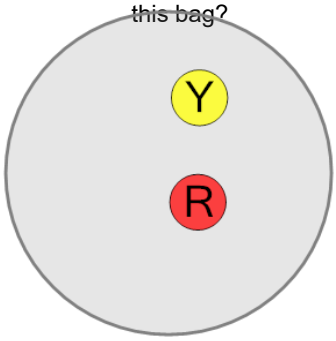
6 What is the equation for the chance of drawing two green squares in a row at random from this bag?



a $\frac{1}{4} \cdot 0$ **b** $\frac{3}{4} \cdot \frac{1}{3}$ **c** $\frac{1}{2} \cdot \frac{1}{5}$

d $\frac{2}{5} \cdot \frac{1}{8}$ **e** $\frac{1}{10} \cdot \frac{1}{6}$ **f** $\frac{3}{3} \cdot \frac{1}{3}$

7 What is the equation for the chance of drawing two yellow circles in a row at random from this bag?



a $\frac{3}{4} \cdot \frac{1}{3}$ **b** $\frac{2}{2} \cdot \frac{1}{8}$ **c** $\frac{3}{5} \cdot \frac{1}{6}$

d $\frac{2}{10} \cdot \frac{1}{2}$ **e** $\frac{1}{4} \cdot \frac{1}{4}$ **f** $\frac{1}{2} \cdot 0$

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