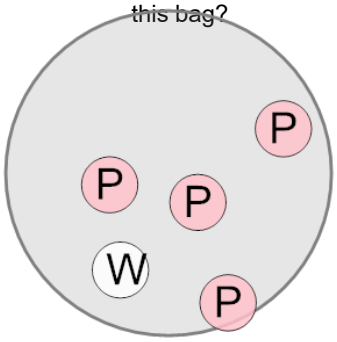
Math worksheet on *'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction Equation (Level 2)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Advanced'*

Learn online:

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

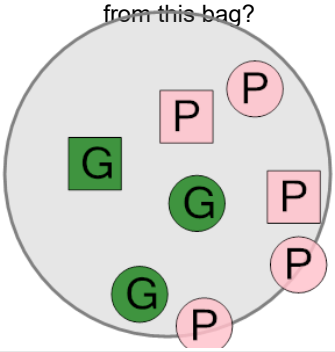
1 What is the equation for the chance of drawing two pink circles in a row at random from this bag?



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

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

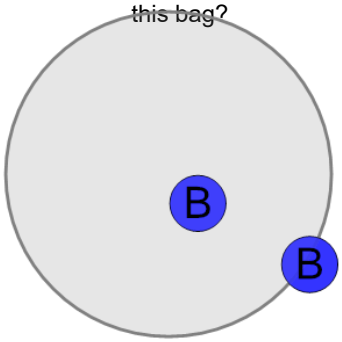
2 What is the equation for the chance of drawing two pink squares in a row at random from this bag?



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

d $\frac{2}{8} \cdot \frac{1}{7}$ **e** $\frac{1}{2} \cdot \frac{3}{5}$ **f** $\frac{3}{5} \cdot \frac{1}{3}$

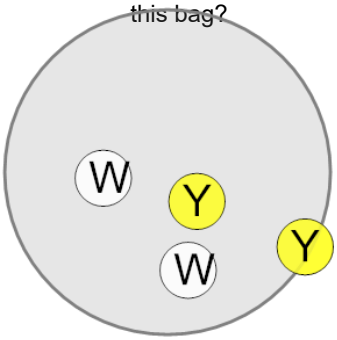
3 What is the equation for the chance of drawing two blue circles in a row at random from this bag?



a $\frac{1}{5} \cdot \frac{3}{6}$ **b** $\frac{4}{10} \cdot \frac{2}{6}$ **c** $\frac{2}{8} \cdot \frac{1}{2}$

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

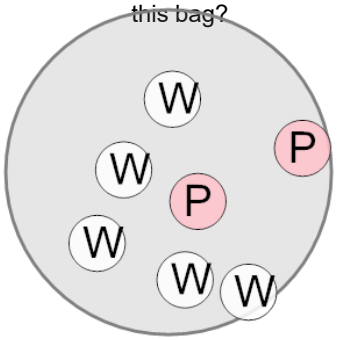
4 What is the equation for the chance of drawing two yellow circles in a row at random from this bag?



a $\frac{4}{4} \cdot \frac{3}{10}$ **b** $\frac{2}{8} \cdot \frac{3}{10}$ **c** $\frac{1}{10} \cdot \frac{3}{3}$

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

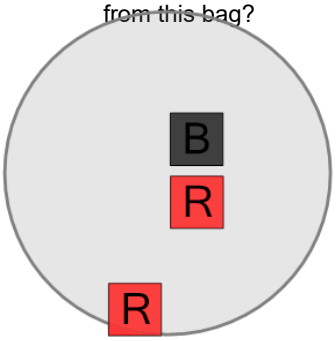
5 What is the equation for the chance of drawing two white circles in a row at random from this bag?



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

d $\frac{5}{7} \cdot \frac{4}{6}$ **e** $\frac{2}{6} \cdot \frac{4}{5}$ **f** $\frac{4}{4} \cdot \frac{4}{5}$

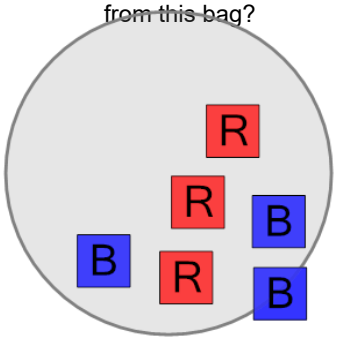
6 What is the equation for the chance of drawing two red squares in a row at random from this bag?



a $\frac{5}{8} \cdot \frac{2}{8}$ **b** $\frac{3}{5} \cdot \frac{1}{5}$ **c** $\frac{3}{6} \cdot \frac{2}{10}$

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

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



a $\frac{4}{4} \cdot \frac{4}{8}$ **b** $\frac{7}{8} \cdot \frac{1}{2}$ **c** $\frac{3}{6} \cdot \frac{2}{5}$

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