

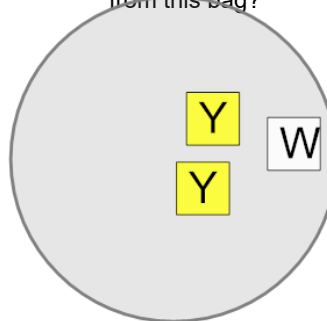


Math worksheet on 'Probability - Shapes, One Set of One Shape, Two Colors - Pick Two by Color, To Fraction Equation (Level 1)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Advanced'

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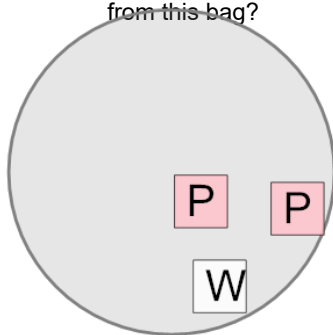
**1** What is the equation for the chance of drawing two yellow shapes in a row at random from this bag?



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

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

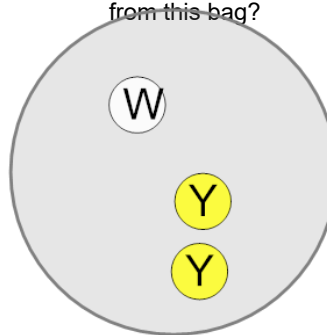
**2** What is the equation for the chance of drawing two pink shapes in a row at random from this bag?



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

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

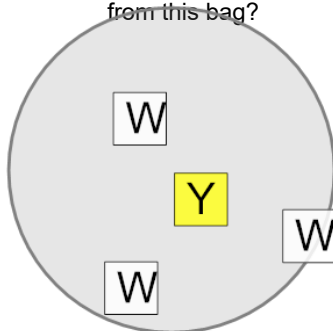
**3** What is the equation for the chance of drawing two white shapes in a row at random from this bag?



**a**  $\frac{2}{5} \cdot \frac{1}{10}$       **b**  $\frac{1}{3} \cdot 0$       **c**  $\frac{3}{10} \cdot \frac{1}{6}$

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

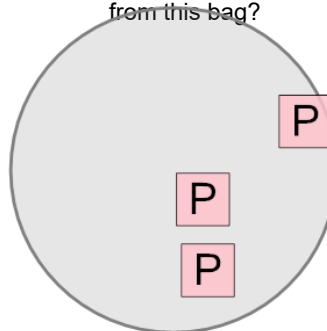
**4** What is the equation for the chance of drawing two yellow shapes in a row at random from this bag?



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

**d**  $\frac{1}{4} \cdot 0$       **e**  $\frac{1}{10} \cdot \frac{1}{8}$       **f**  $\frac{1}{2} \cdot \frac{1}{8}$

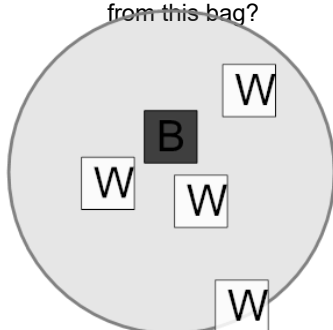
**5** What is the equation for the chance of drawing two pink shapes in a row at random from this bag?



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

**d**  $\frac{1}{8} \cdot \frac{5}{10}$       **e**  $\frac{7}{8} \cdot \frac{1}{3}$       **f**  $\frac{3}{3} \cdot \frac{2}{2}$

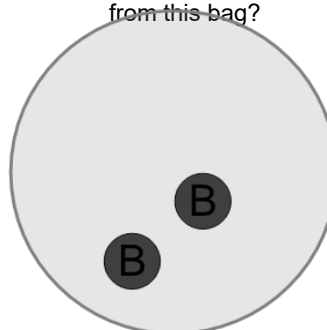
**6** What is the equation for the chance of drawing two white shapes in a row at random from this bag?



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

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

**7** What is the equation for the chance of drawing two black shapes in a row at random from this bag?



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

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