

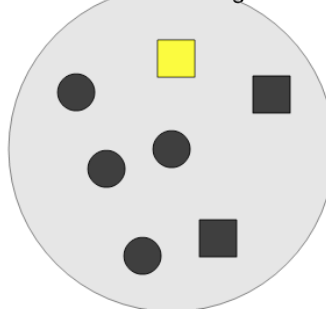


Math worksheet on 'Probability - Shapes, One Set of Two Shapes, Two Colors - Pick Two by Shape and Color, To Fraction Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

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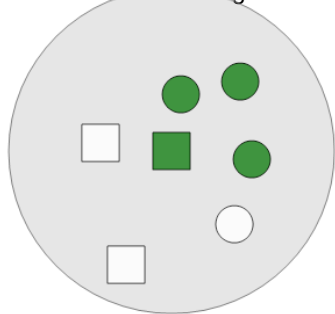
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

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



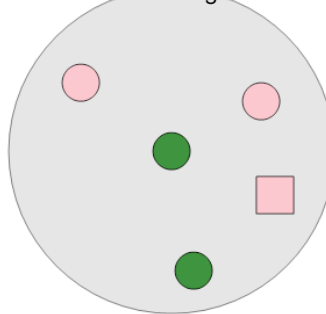
a	$\frac{2}{7} \cdot \frac{1}{6}$	b	$\frac{2}{9} \cdot \frac{3}{11}$	c	$\frac{3}{9} \cdot \frac{3}{9}$
d	$\frac{2}{17} \cdot \frac{3}{8}$	e	$\frac{3}{10} \cdot \frac{2}{8}$	f	$\frac{5}{7} \cdot \frac{2}{3}$

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



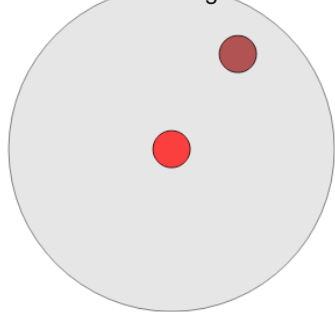
a	$\frac{2}{8} \cdot \frac{1}{11}$	b	$\frac{3}{10} \cdot \frac{1}{15}$	c	$\frac{2}{15} \cdot \frac{1}{9}$
d	$\frac{2}{3} \cdot \frac{1}{10}$	e	$\frac{3}{10} \cdot \frac{1}{7}$	f	$\frac{1}{7} \cdot 0$

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



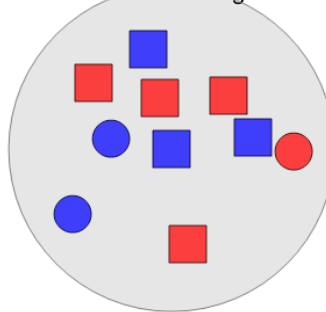
a	$\frac{2}{5} \cdot \frac{1}{4}$	b	$\frac{2}{8} \cdot \frac{3}{9}$	c	$\frac{1}{6} \cdot \frac{3}{3}$
d	$\frac{2}{12} \cdot \frac{2}{11}$	e	$\frac{2}{10} \cdot \frac{1}{11}$	f	$\frac{3}{12} \cdot \frac{1}{8}$

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



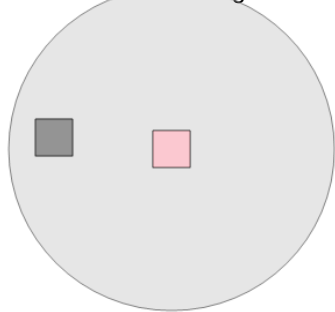
a	$\frac{1}{4} \cdot \frac{1}{4}$	b	$\frac{3}{7} \cdot \frac{1}{4}$	c	$\frac{2}{3} \cdot \frac{1}{4}$
d	$\frac{2}{5} \cdot \frac{1}{3}$	e	$\frac{1}{2} \cdot 0$	f	$\frac{2}{6} \cdot \frac{1}{4}$

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



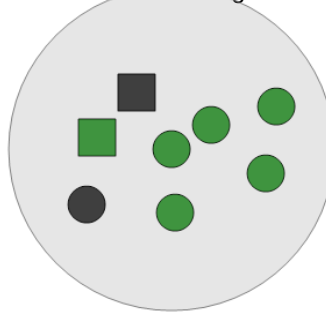
a	$\frac{5}{12} \cdot \frac{4}{6}$	b	$\frac{6}{15} \cdot \frac{1}{14}$	c	$\frac{1}{9} \cdot \frac{5}{5}$
d	$\frac{6}{6} \cdot \frac{3}{21}$	e	$\frac{6}{7} \cdot \frac{2}{17}$	f	$\frac{3}{10} \cdot \frac{2}{9}$

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



a	$\frac{1}{7} \cdot \frac{1}{5}$	b	$\frac{2}{3} \cdot \frac{1}{3}$	c	$\frac{2}{7} \cdot \frac{1}{5}$
d	$\frac{1}{2} \cdot 0$	e	$\frac{1}{3} \cdot \frac{1}{3}$	f	$\frac{3}{3} \cdot \frac{1}{4}$

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



a	$\frac{1}{11} \cdot \frac{1}{13}$	b	$\frac{3}{8} \cdot \frac{1}{3}$	c	$\frac{1}{5} \cdot \frac{1}{4}$
d	$\frac{2}{3} \cdot \frac{1}{12}$	e	$\frac{2}{13} \cdot \frac{1}{3}$	f	$\frac{1}{8} \cdot 0$