

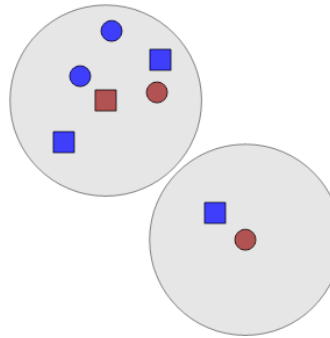


Math worksheet on 'Probability - Shapes, Two Sets of Two Shapes, Two Colors - Pick Two by Shape, To Fraction Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

Learn online:

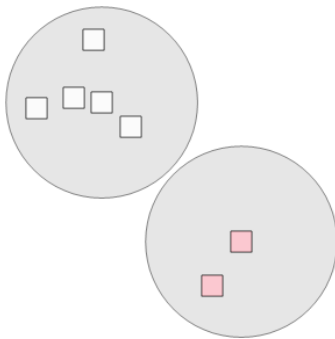
app.mobius.academy/math/units/probability_counting_multiple_event_practice/

1 What is the equation for the chance of drawing a square at random from both bags?



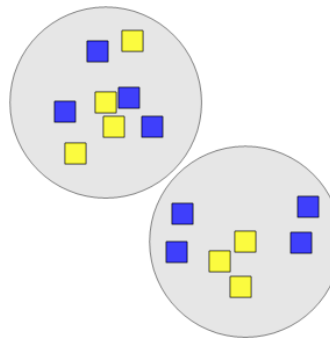
| | | | | | |
|----------|----------------------------------|----------|----------------------------------|----------|----------------------------------|
| a | $\frac{1}{12} \cdot \frac{1}{5}$ | b | $\frac{4}{7} \cdot \frac{2}{6}$ | c | $\frac{3}{6} \cdot \frac{1}{2}$ |
| d | $\frac{1}{13} \cdot \frac{3}{5}$ | e | $\frac{2}{15} \cdot \frac{1}{4}$ | f | $\frac{3}{15} \cdot \frac{1}{3}$ |

2 What is the equation for the chance of drawing a square at random from both bags?



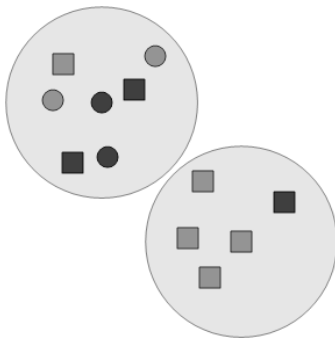
| | | | | | |
|----------|---------------------------------|----------|----------------------------------|----------|-----------------------------------|
| a | $\frac{5}{5} \cdot \frac{2}{2}$ | b | $\frac{4}{7} \cdot \frac{4}{7}$ | c | $\frac{11}{13} \cdot \frac{5}{3}$ |
| d | $\frac{2}{5} \cdot \frac{3}{6}$ | e | $\frac{9}{13} \cdot \frac{2}{7}$ | f | $\frac{6}{8} \cdot \frac{1}{4}$ |

3 What is the equation for the chance of drawing a square at random from both bags?



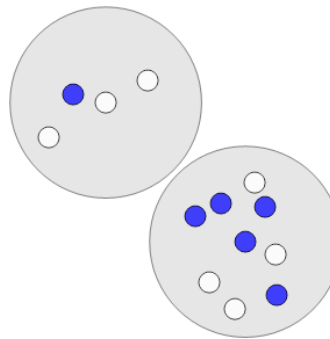
| | | | | | |
|----------|----------------------------------|----------|------------------------------------|----------|-----------------------------------|
| a | $\frac{8}{8} \cdot \frac{7}{7}$ | b | $\frac{5}{15} \cdot \frac{10}{12}$ | c | $\frac{1}{9} \cdot \frac{14}{15}$ |
| d | $\frac{11}{7} \cdot \frac{4}{8}$ | e | $\frac{14}{13} \cdot \frac{6}{4}$ | f | $\frac{9}{3} \cdot \frac{5}{4}$ |

4 What is the equation for the chance of drawing a square at random from both bags?



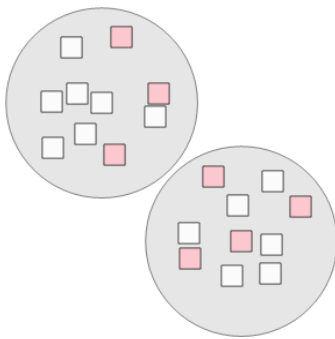
| | | | | | |
|----------|-----------------------------------|----------|----------------------------------|----------|-----------------------------------|
| a | $\frac{2}{12} \cdot \frac{8}{12}$ | b | $\frac{1}{17} \cdot \frac{9}{4}$ | c | $\frac{1}{11} \cdot \frac{6}{9}$ |
| d | $\frac{1}{7} \cdot \frac{7}{6}$ | e | $\frac{3}{7} \cdot \frac{5}{5}$ | f | $\frac{4}{10} \cdot \frac{11}{5}$ |

5 What is the equation for the chance of drawing a circle at random from both bags?



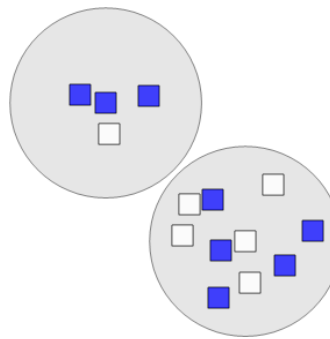
| | | | | | |
|----------|----------------------------------|----------|-----------------------------------|----------|----------------------------------|
| a | $\frac{7}{5} \cdot \frac{5}{15}$ | b | $\frac{3}{6} \cdot \frac{18}{15}$ | c | $\frac{9}{4} \cdot \frac{10}{9}$ |
| d | $\frac{4}{4} \cdot \frac{9}{9}$ | e | $\frac{6}{8} \cdot \frac{5}{15}$ | f | $\frac{5}{3} \cdot \frac{9}{4}$ |

6 What is the equation for the chance of drawing a square at random from both bags?



| | | | | | |
|----------|------------------------------------|----------|-----------------------------------|----------|-------------------------------------|
| a | $\frac{19}{11} \cdot \frac{3}{20}$ | b | $\frac{9}{5} \cdot \frac{13}{17}$ | c | $\frac{10}{10} \cdot \frac{10}{10}$ |
| d | $\frac{8}{19} \cdot \frac{4}{11}$ | e | $\frac{12}{6} \cdot \frac{7}{9}$ | f | $\frac{12}{20} \cdot \frac{13}{9}$ |

7 What is the equation for the chance of drawing a square at random from both bags?



| | | | | | |
|----------|-----------------------------------|----------|-----------------------------------|----------|-----------------------------------|
| a | $\frac{5}{4} \cdot \frac{13}{17}$ | b | $\frac{8}{6} \cdot \frac{11}{17}$ | c | $\frac{6}{8} \cdot \frac{14}{3}$ |
| d | $\frac{3}{5} \cdot \frac{9}{4}$ | e | $\frac{4}{8} \cdot \frac{5}{4}$ | f | $\frac{4}{4} \cdot \frac{10}{10}$ |