

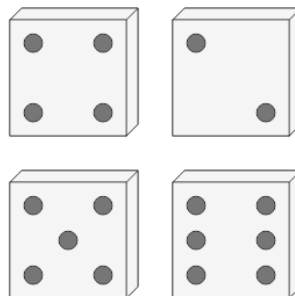


Math worksheet on 'Probability - Dice (4), All Same, To Fraction Equation (Level 1)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Advanced'

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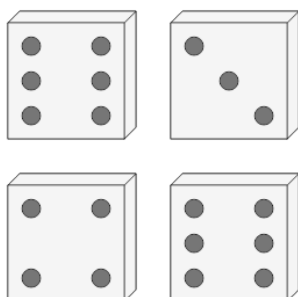
**1** What is the equation for the chance of rolling the same number on all these dice?



**a**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

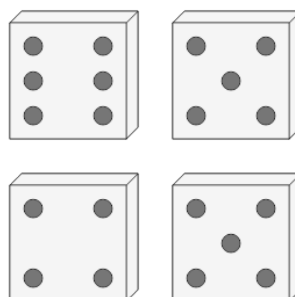
**2** What is the equation for the chance of rolling the same number on all these dice?



**a**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

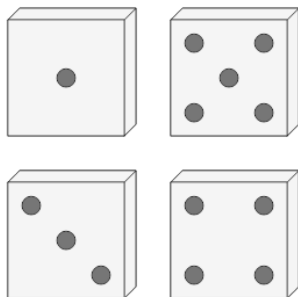
**3** What is the equation for the chance of rolling the same number on all these dice?



**a**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

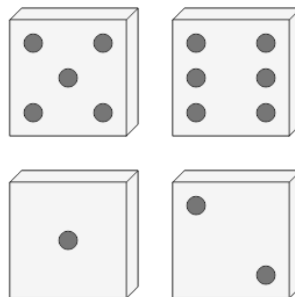
**4** What is the equation for the chance of rolling the same number on all these dice?



**a**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

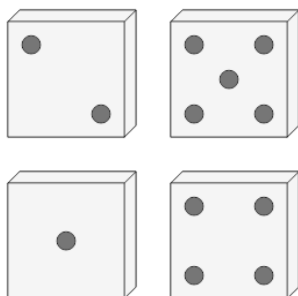
**5** What is the equation for the chance of rolling the same number on all these dice?



**a**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

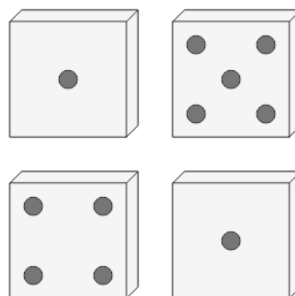
**6** What is the equation for the chance of rolling the same number on all these dice?



**a**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**7** What is the equation for the chance of rolling the same number on all these dice?



**a**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **b**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

**c**  $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$  **d**  $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$