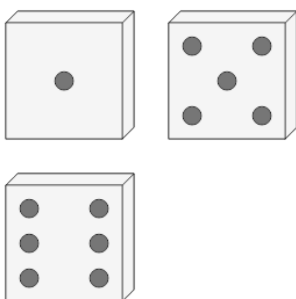# mobius

Math worksheet on *'Probability - Dice (3), All Specific, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

Learn online:

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

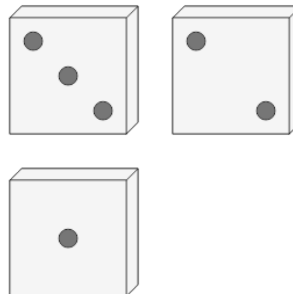**1** What is the equation for the chance of rolling 6's on all these dice?

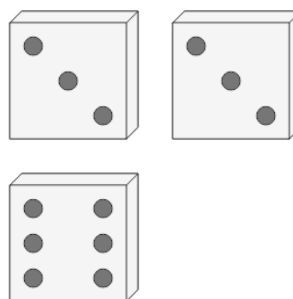

a $\dfrac{1}{6} \cdot \dfrac{1}{6}$

b $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

c $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

d $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

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2 What is the equation for the chance of rolling 1's on all these dice?

a $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

b $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

c $\dfrac{1}{6} \cdot \dfrac{1}{6}$

d $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

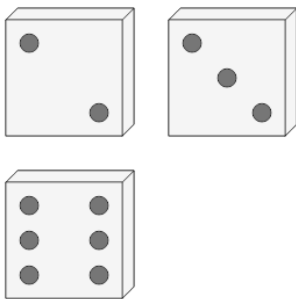**3** What is the equation for the chance of rolling 5's on all these dice?

a $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

b $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

c $\dfrac{1}{6} \cdot \dfrac{1}{6}$

d $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

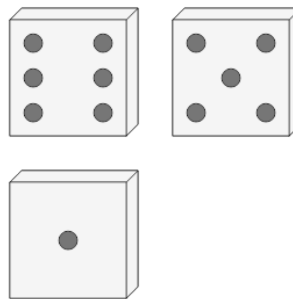**4** What is the equation for the chance of rolling 2's on all these dice?

a $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

b $\dfrac{1}{6} \cdot \dfrac{1}{6}$

c $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

d $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

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5 What is the equation for the chance of rolling 1's on all these dice?
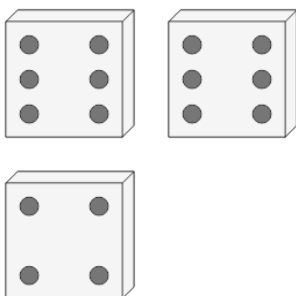

a $\dfrac{1}{6} \cdot \dfrac{1}{6}$

b $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

c $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

d $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

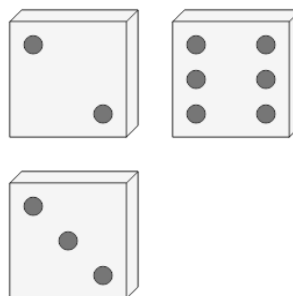**6** What is the equation for the chance of rolling 3's on all these dice?

a $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

b $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

c $\dfrac{1}{6} \cdot \dfrac{1}{6}$

d $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

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7 What is the equation for the chance of rolling 4's on all these dice?

a $\dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

b $1 - \dfrac{1}{6} \cdot \dfrac{1}{6} \cdot \dfrac{1}{6}$

c $\dfrac{1}{6} \cdot \dfrac{1}{6}$

d $1 - \dfrac{1}{6} \cdot \dfrac{1}{6}$

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