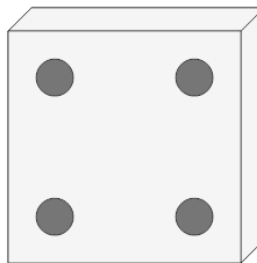# mobius

Math worksheet on *'Probability - Dice (1), Not 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/

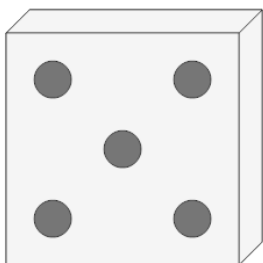**1** What is the equation for the chance of NOT rolling a 5 on this dice?

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

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

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

d $\dfrac{1}{6}$

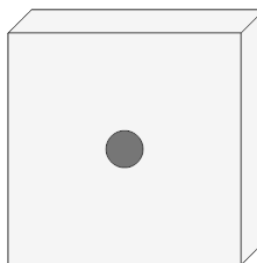**2** What is the equation for the chance of NOT rolling a 5 on this dice?

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

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

c $\dfrac{1}{6}$

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

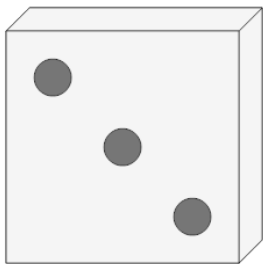**3** What is the equation for the chance of NOT rolling a 2 on this dice?

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

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

c $\dfrac{1}{6}$

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

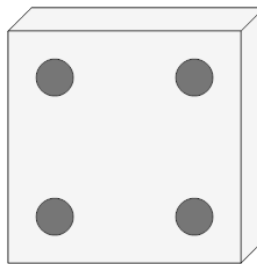**4** What is the equation for the chance of NOT rolling a 3 on this dice?

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

b $SS\backslash frac\{1\}\{6\}SS$

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

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

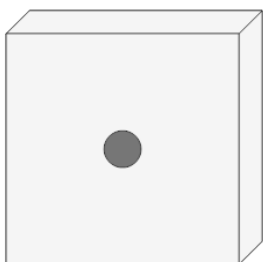**5** What is the equation for the chance of NOT rolling a 6 on this dice?

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

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

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

d $\dfrac{1}{6}$

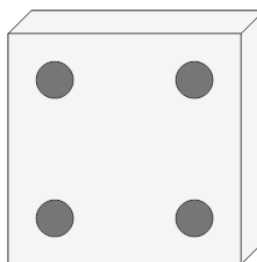**6** What is the equation for the chance of NOT rolling a 1 on this dice?

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

b $\dfrac{1}{6}$

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

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

7 What is the equation for the chance of NOT rolling a 6 on this dice?

a $\dfrac{1}{6}$

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

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

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