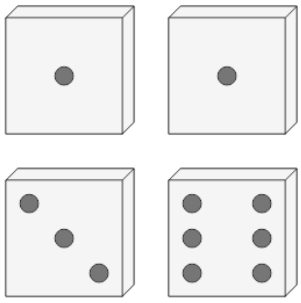
Math worksheet on *'Probability - Dice (4), All Specific, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Advanced'*

Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_advanced/

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



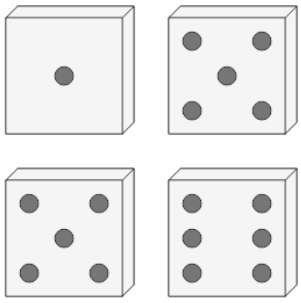
a $1-\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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

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

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

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



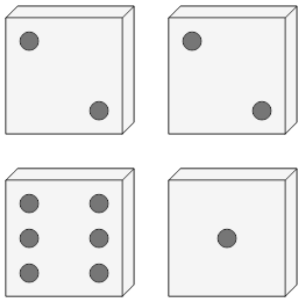
a $\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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 $1-\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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



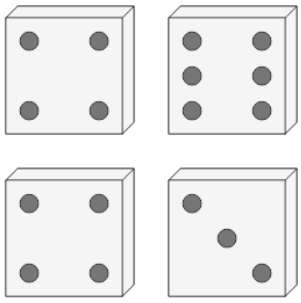
a $\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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 $1-\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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



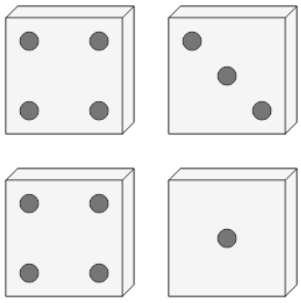
a $1-\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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

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

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

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



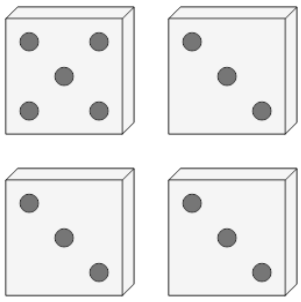
a $\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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

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

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

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



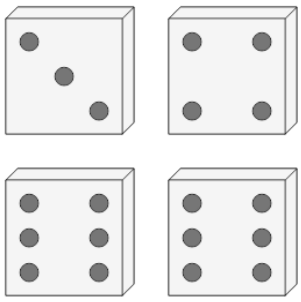
a $1-\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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

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

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

7 What is the equation for the chance of rolling 2's 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 $1-\frac{1}{6}\cdot\frac{1}{6}\cdot\frac{1}{6}$

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