



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

2 What is the equation for the chance of rolling 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 $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$
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 the same number on all these dice?

a $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	b $\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$
c $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	d $1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

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

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

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

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

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