Probability - Dice (4), Not All Specific, To Fraction Equation

1 What is the equation for the chance of NOT rolling all 1's on these dice?

A $\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$ B $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$

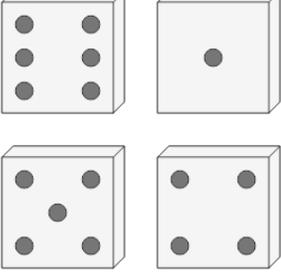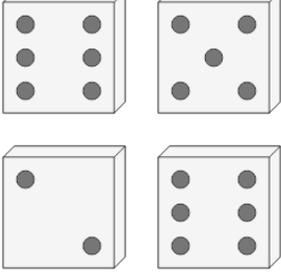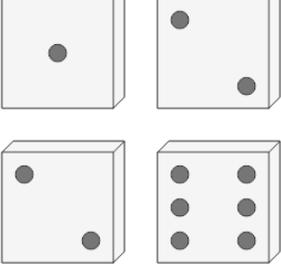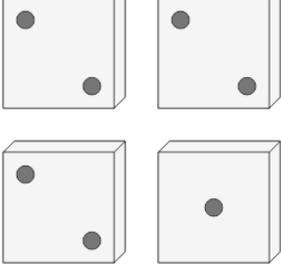C $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

2 What is the equation for the chance of NOT rolling all 3's on these dice?
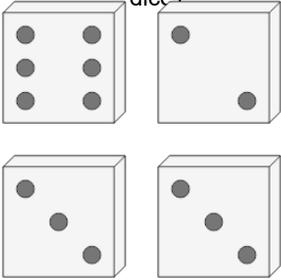
A $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$ B $\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

C $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

3 What is the equation for the chance of NOT rolling all 5's on these dice?
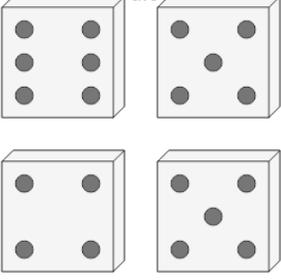
A $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ B $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$

C $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

4 What is the equation for the chance of NOT rolling all 2's on these dice?
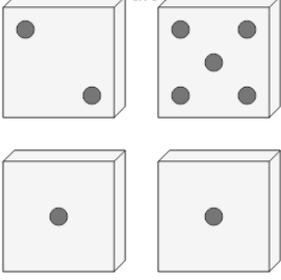
A $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ B $\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

C $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

5 What is the equation for the chance of NOT rolling all 2's on these dice?

A $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$ B $\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

C $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

6 What is the equation for the chance of NOT rolling all 6's on these dice?

A $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ B $\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

C $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$

7 What is the equation for the chance of NOT rolling all 1's on these dice?

A $1-\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$ B $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$

C $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$

8 What is the equation for the chance of NOT rolling all 3's on these dice?

A $\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ B $\dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}\ \dfrac{1}{6}$

C $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$ D $1-\dfrac{1}{6}\cdot\dfrac{1}{6}\cdot\dfrac{1}{6}$