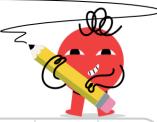


mobius

Probability - Dice (2), Not All Same, To **Fraction Equation**

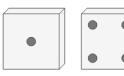


1	What is the equation for
ı	the chance of rolling a
	mixed set (not both the
	same number) on these
	dice?

$$egin{bmatrix} {\sf A} & {\sf A} & {\sf B} & {\sf B} & {\sf C} & {\sf C}$$

What is the equation for the chance of rolling a mixed set (not both the same number) on these dice?

			4			
Α		В			С	1
1	1	1	1	1		Τ
6	6	1 _	6	6		6



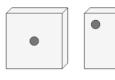
$$\frac{1}{6}$$

$$1-rac{1}{6}$$

$$\begin{bmatrix} 1 - \frac{1}{6} \end{bmatrix}^{\frac{1}{6}} = \begin{bmatrix} \frac{1}{6} & \frac{1}{6} \end{bmatrix}^{\frac{1}{6}}$$

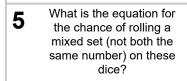
What is the equation for the chance of rolling a mixed set (not both the same number) on these dice?

$$\left| \frac{1}{6} \cdot \frac{1}{6} \right|^{1 - \frac{1}{6} \cdot \frac{1}{6}} \left| \frac{1}{6} \right|^{1 - \frac{1}{6} \cdot \frac{1}{6}}$$





$$1-rac{1}{6}$$



$$\begin{bmatrix} 1 \\ 6 \end{bmatrix} \begin{bmatrix} 1 \\ 1 - \frac{1}{6} \cdot \frac{1}{6} \end{bmatrix} \begin{bmatrix} c \\ 1 - \frac{1}{6} \end{bmatrix}$$

What is the equation for 6 the chance of rolling a mixed set (not both the same number) on these dice?

Α		В		С	1
1	1	1	1		Τ
_	• _	1	$\frac{1}{6}$		
6	6	6	6		6
					U





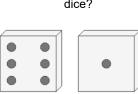
C		
D		
1	1	
$\frac{1}{6}$.	6	



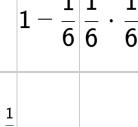


$$1-rac{1}{6}$$

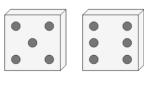
What is the equation for 7 the chance of rolling a mixed set (not both the same number) on these dice?



$$\frac{1}{6} \begin{vmatrix} 1 \\ 1 - \frac{1}{6} \end{vmatrix} \begin{vmatrix} 1 \\ 6 \end{vmatrix} \cdot \frac{1}{6}$$



What is the equation for 8 the chance of rolling a mixed set (not both the same number) on these dice?



$\frac{1}{6}$	$egin{array}{c} 1 - rac{1}{6} \end{array}$	1 - 5	$\frac{1}{6} \cdot \frac{1}{6}$
D			
1 1			