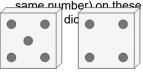


mobius

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

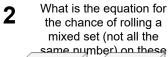


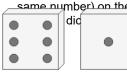
1	What is the equation for
ı	the chance of rolling a
	mixed set (not all the
	same number) on these



1	1	1	В 1	1	1	1
6	6	6	6	6	6	6

С					D			
1_	1	1	1	1	1 _	1	. 1	1
1	6	6	6	6	1 –	6	6	6

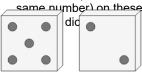




	$\overline{}$

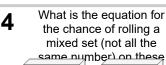
$$\begin{bmatrix} \frac{A}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \end{bmatrix} = \begin{bmatrix} \frac{B}{1} - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \end{bmatrix}$$

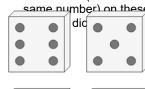
$$\begin{vmatrix} c \\ 1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \end{vmatrix} = \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$$



Α				В				
1 _	1	1	1	1	1	1	1	1
1 -	6	$\cdot \frac{1}{6}$	6	1 –	6	6	6	6

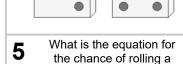
С 1	1	1	1	1	. 1	1
6					$\frac{1}{6}$	

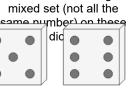




$$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$$

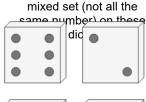
$$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$$





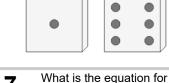
A	1	1	. 1	. 1	1	. 1	1
1	6	6	6	6	$\frac{1}{6}$	6	6

С 1	1	1	1	$\begin{bmatrix} D \\ - \frac{1}{6} \end{bmatrix}$	1	1
6	6	$\overline{6}$	$\frac{6}{6}$	6	6	6



A 1 _	1	1	. 1	1	1	1	1
1-	6	6	6	6	6	6	6
С					D		

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



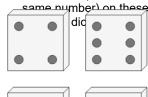
the chance of rolling a

mixed set (not all the

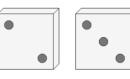
same number) on these

did

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



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



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



7

