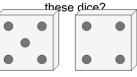


## mobius

## Probability - Dice (4), All Same, To **Fraction Equation**



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

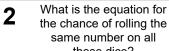


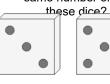
se	dice?	7



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

Î	$\frac{1}{6}$ .	1	D	1	1	1	1
6	$\dot{6}$	6	1 -	6	6	6	6



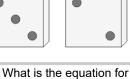




<u> </u>				_				
6	6	(	5	6	6	6	5	6
C 1 –	$\frac{1}{6}$ .	$\frac{1}{6}$ .	1 6	. $\frac{1}{6}$	D 1-	$\frac{1}{6}$	$\frac{1}{6}$	. $\frac{1}{6}$

1





the chance of rolling the

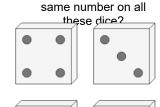
A B	
$\begin{vmatrix} 1 & 1 & 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 &$	

What is the equation for

the chance of rolling the

same number on all

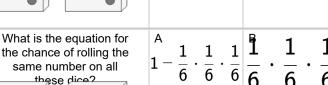
$$\begin{bmatrix} \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} & \frac{1}{6} \\ 0 & \frac{1}{6} \end{bmatrix}$$



C 1	1	1	1	1	1	1
1	6	6	6	6	6	6



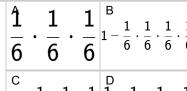
5



1	1	1	1	Τ	1	•
6	6	6	6	6	6	
			D			

What is the equation for

the chance of rolling the

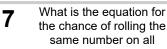


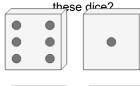


C 1	1	1	. 1	D 1 –	1	. 1		
6	6	6	6	_	6	6	6	(



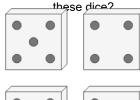
C 1	1	1	1	1 1	1	1	1
1 -	6	6	6	6	$\overline{6}$	$\overline{6}$	6





$\frac{1}{6}$	$\cdot \frac{1}{6} \cdot$	$\frac{1}{6}$	в 1-	$-\frac{1}{6}$	$\frac{1}{6}$	$\frac{1}{6}$
С			D			

$C \\ 1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	_	$\frac{1}{6}$ .	$\frac{1}{6}$ .	1 6
--	---	-----------------	-----------------	--------



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

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