

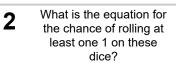
mobius

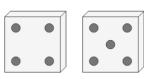
Probability - Dice (2), Specific Roll in 2 **Tries, To Fraction**



| 4 | What is the equation for |
|---|--------------------------|
| 1 | the chance of rolling at |
| | least one 4 on these |
| | dice? |

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





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

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

$$\begin{bmatrix} A & 1 & 1 & 1 \\ 6 & 6 & 6 \end{bmatrix} \begin{bmatrix} B & 1 & 1 \\ 1 & 6 & 6 \end{bmatrix}$$

$$\begin{pmatrix} \frac{1}{6} \cdot \frac{1}{6} & \begin{vmatrix} ^{\mathrm{B}} \\ 1 - \frac{1}{6} \cdot \frac{1}{6} \end{vmatrix}$$

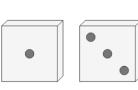
$$egin{array}{c|c|c} \hline 6 & \overline{6} & \overline{6} & \overline{6} \\ \hline \begin{smallmatrix} \mathtt{C} & & & \mathtt{D} & \mathtt{D} \\ 1 & 1 & 1 & 1 \end{smallmatrix} }$$

$$\begin{vmatrix} A & 1 & 1 & \frac{1}{6} &$$

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

$$\begin{vmatrix} A & 1 & \frac{1}{6} \cdot \frac{1}{6} & \frac{1}{6} \cdot \frac{1}{6} \end{vmatrix}$$

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



$$\begin{bmatrix} ^{\mathsf{A}} \ \frac{1}{6} \cdot \frac{1}{6} \\ \end{bmatrix} ^{\mathsf{B}} 1 - \frac{1}{6} \cdot \frac{1}{6} \\ \begin{bmatrix} ^{\mathsf{C}} \\ \frac{1}{6} + \frac{1}{6} - \frac{1}{6} \cdot \frac{1}{6} \\ \end{bmatrix} ^{\mathsf{D}} \frac{1}{6}$$