



Math worksheet on 'Probability - Dice (3), Not All Same, To Fraction Equation (Level 1)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

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

<b>a</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$\frac{1}{6} \cdot \frac{1}{6}$

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

<b>a</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$\frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

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

<b>a</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$\frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

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

<b>a</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$\frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$

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

<b>a</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$\frac{1}{6} \cdot \frac{1}{6}$

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

<b>a</b>	$\frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$

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

<b>a</b>	$1 - \frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>b</b>	$1 - \frac{1}{6} \cdot \frac{1}{6}$
<b>c</b>	$\frac{1}{6} \cdot \frac{1}{6} \cdot \frac{1}{6}$	<b>d</b>	$\frac{1}{6} \cdot \frac{1}{6}$