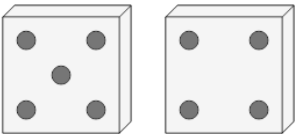# mobius

Math worksheet on *'Probability - Dice (2), Not All Same, To Fraction Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*
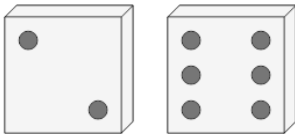
Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_practice/

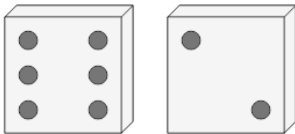**1** What is the equation for the chance of rolling a mixed set (not both the same number) on these dice?

| a | b | c |
|---|---|---|
| $1 - \frac{1}{6} \cdot \frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6} \cdot \frac{1}{6}$ |
| **d** $1 - \frac{1}{6}$ | | |

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

| a | b | c |
|---|---|---|
| $\frac{1}{6} \cdot \frac{1}{6}$ | $\frac{1}{6}$ | $1 - \frac{1}{6}$ |
| **d** $1 - \frac{1}{6} \cdot \frac{1}{6}$ | | |

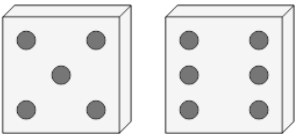**3** What is the equation for the chance of rolling a mixed set (not both the same number) on these dice?

| a | b | c |
|---|---|---|
| $1 - \frac{1}{6} \cdot \frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6} \cdot \frac{1}{6}$ |
| **d** $1 - \frac{1}{6}$ | | |

**4** What is the equation for the chance of rolling a mixed set (not both the same number) on these dice?
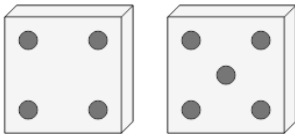
| a | b | c |
|---|---|---|
| $1 - \frac{1}{6}$ | $\frac{1}{6}$ | $1 - \frac{1}{6} \cdot \frac{1}{6}$ |
| **d** $\frac{1}{6} \cdot \frac{1}{6}$ | | |

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

| a | b | c |
|---|---|---|
| $1 - \frac{1}{6} \cdot \frac{1}{6}$ | $1 - \frac{1}{6}$ | $\frac{1}{6}$ |
| **d** $\frac{1}{6} \cdot \frac{1}{6}$ | | |

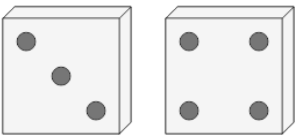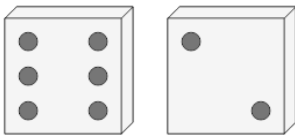**6** What is the equation for the chance of rolling a mixed set (not both the same number) on these dice?

| a | b | c |
|---|---|---|
| $1 - \frac{1}{6} \cdot \frac{1}{6}$ | $\frac{1}{6}$ | $\frac{1}{6} \cdot \frac{1}{6}$ |
| **d** $1 - \frac{1}{6}$ | | |

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

| a | b | c |
|---|---|---|
| $1 - \frac{1}{6}$ | $1 - \frac{1}{6} \cdot \frac{1}{6}$ | $\frac{1}{6}$ |
| **d** $\frac{1}{6} \cdot \frac{1}{6}$ | | |

Math learning portal. Enrichment classes. Tutoring. Math games to engage kids. (mobiusmathclub.com)