ZiloAcademy

✨ Grade 10 Maths — Independent & Dependent Events ✨

Name: Demo **Date:** 26/11/2026

1. Are these events independent or dependent: rolling a die twice?

2. Are these events independent or dependent: drawing a marble, replacing it, then drawing again?

3. A bag has 8 red and 18 blue counters. A counter is drawn, replaced, and a second is drawn. Find P(both red) as a fraction in simplest form.

4. A bag has 5 red and 13 blue counters. Two are drawn without replacement. Find P(both red) as a fraction in simplest form.

5. Are these events independent or dependent: taking two chocolates from a box and eating the first?

6. Are these events independent or dependent: choosing two students for a team from a class, one after the other?

7. Are these events independent or dependent: flipping a coin and then rolling a die?

8. A bag has 22 red and 21 blue counters. A counter is drawn, replaced, and a second is drawn. Find P(both red) as a fraction in simplest form.

9. A bag has 6 red and 20 blue counters. Two are drawn without replacement. Find P(both red) as a fraction in simplest form.

10. A bag has 8 red and 22 blue counters. A counter is drawn, replaced, and a second is drawn. Find P(both red) as a fraction in simplest form.