ZiloAcademy

✨ Grade 7 Maths — Chance Events ✨

Name: Demo Grade 7 **Date:** 26/11/2026

1. Two independent events happen: Event A has a probability of 1/2, and Event B has a probability of 1/2. What is the probability that BOTH happen?

2. Spinning a spinner twice — does the first spin affect the second? Write "yes" (dependent) or "no" (independent):

3. Two independent events: P(A) = 0.75 and P(B) = 0.2. What is the probability that NEITHER A nor B happens?

4. A bag has 8 marbles, 4 of them yellow. Two marbles are drawn one at a time, without replacing the first. What is the probability both are yellow? (Round to 2 decimal places.)

5. Two independent events happen: Event A has a probability of 1/3, and Event B has a probability of 1/7. What is the probability that BOTH happen?

6. Picking a student from a class for a prize, then picking another (no repeats) — does the first pick affect the second? Write "yes" (dependent) or "no" (independent):

7. A bag has 25 marbles, 21 of them white. Two marbles are drawn one at a time, without replacing the first. What is the probability both are white? (Round to 2 decimal places.)

8. Two independent events: P(A) = 0.4 and P(B) = 0.6. What is the probability that NEITHER A nor B happens?

9. Two independent events: P(A) = 0.5 and P(B) = 0.75. What is the probability that NEITHER A nor B happens?

10. Two independent events happen: Event A has a probability of 1/3, and Event B has a probability of 1/3. What is the probability that BOTH happen?