ZiloAcademy

✨ Grade 10 Maths — Conditional Probability ✨

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

1. $P(A \cap B) = 0.05$ and $P(B) = 0.5$. Find $P(A \mid B)$ as a decimal.

2. In a class, 24 students play netball, and 7 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.

3. In a class, 13 students play netball, and 11 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.

4. $P(A \cap B) = 0.125$ and $P(B) = 0.25$. Find $P(A \mid B)$ as a decimal.

5. $P(A \cap B) = 0.04$ and $P(B) = 0.4$. Find $P(A \mid B)$ as a decimal.

6. In a class, 19 students play netball, and 6 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.

7. In a class, 24 students play netball, and 9 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.

8. In a class, 22 students play netball, and 14 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.

9. In a class, 18 students play netball, and 14 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.

10. In a class, 33 students play netball, and 15 of those also play tennis. A netball player is chosen at random. Find P(plays tennis | plays netball) as a fraction in simplest form.