ZiloAcademy

✨ Grade 9 Maths — Simulations ✨

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

1. A simulation gave a probability of 80%, while the theoretical probability was 75%. What is the difference between them (in percentage points)?

2. A simulation of 200 trials (theoretical probability 20%) produced 29 successes. What was the simulated (experimental) probability, as a percentage?

3. A simulation of 300 trials (theoretical probability 40%) produced 116 successes. What was the simulated (experimental) probability, as a percentage?

4. A simulation gave a probability of 86%, while the theoretical probability was 80%. What is the difference between them (in percentage points)?

5. A simulation gave a probability of 86%, while the theoretical probability was 90%. What is the difference between them (in percentage points)?

6. A simulation of 200 trials (theoretical probability 40%) produced 79 successes. What was the simulated (experimental) probability, as a percentage?

7. A simulation gave a probability of 57%, while the theoretical probability was 60%. What is the difference between them (in percentage points)?

8. A simulation of 100 trials (theoretical probability 50%) produced 48 successes. What was the simulated (experimental) probability, as a percentage?

9. A simulation gave a probability of 19%, while the theoretical probability was 20%. What is the difference between them (in percentage points)?

10. A simulation gave a probability of 64%, while the theoretical probability was 60%. What is the difference between them (in percentage points)?