ZiloAcademy

✨ Grade 8 Maths — Simulations ✨

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

1. A simulation of 100 trials (theoretical probability 50%) produced 56 successes. What was the simulated (experimental) probability, as a percentage?

2. A simulation gave a probability of 37%, while the theoretical probability was 40%. What is the difference between them (in percentage points)?

3. A simulation gave a probability of 40%, while the theoretical probability was 40%. What is the difference between them (in percentage points)?

4. A simulation of 150 trials (theoretical probability 90%) produced 127 successes. What was the simulated (experimental) probability, as a percentage?

5. A simulation of 100 trials (theoretical probability 30%) produced 36 successes. What was the simulated (experimental) probability, as a percentage?

6. A simulation of 500 trials (theoretical probability 40%) produced 202 successes. What was the simulated (experimental) probability, as a percentage?

7. A simulation gave a probability of 62%, while the theoretical probability was 60%. What is the difference between them (in percentage points)?

8. A simulation gave a probability of 27%, while the theoretical probability was 25%. What is the difference between them (in percentage points)?

9. A simulation gave a probability of 42%, while the theoretical probability was 40%. What is the difference between them (in percentage points)?

10. A simulation of 400 trials (theoretical probability 10%) produced 40 successes. What was the simulated (experimental) probability, as a percentage?