ZiloAcademy

✨ Grade 4 Maths — Probability Experiments ✨

Name: Demo Grade 4 **Date:** 26/11/2026

1. A coin-flip-style experiment was repeated 20 times. The outcome "a win" happened 11 times. What fraction of trials had this result (in simplest form)?

2. A coin-flip-style experiment was repeated 50 times. The outcome "red" happened 8 times. What fraction of trials had this result (in simplest form)?

3. A coin-flip-style experiment was repeated 25 times. Heads came up 11 times. What fraction of trials had this result (in simplest form)?

4. A coin-flip-style experiment was repeated 25 times. The outcome "a 6" happened 15 times. What fraction of trials had this result (in simplest form)?

5. A coin-flip-style experiment was repeated 25 times. The outcome "a 6" happened 20 times. What fraction of trials had this result (in simplest form)?

6. In an experiment repeated **50** times, the result "a win" happened **46** times. Based on this rate, how many times would you expect it to happen in **500** trials?

7. A fair spinner has **4** equal colours. It was spun **60** times and landed on blue **16** times. If the spinner is fair, how many times would you expect blue?

8. A fair spinner has **4** equal colours. It was spun **100** times and landed on blue **25** times. If the spinner is fair, how many times would you expect blue?

9. In the first experiment, "red" happened **18** times out of **50** trials. In the second experiment, it happened **95** times out of **100** trials. Which experiment had the higher rate of "red" — the first or the second?

10. A fair spinner has **2** equal colours. It was spun **60** times and landed on blue **30** times. If the spinner is fair, how many times would you expect blue?