ZiloAcademy

# ✨ Grade 6 Maths — Probability Experiments ✨

**Name:** Demo Grade 6 **Date:** 26/11/2026

1. In the first experiment, "a win" happened **65** times out of **80** trials. In the second, it happened **110** times out of **160** trials. Which experiment had the higher rate?

2. In an experiment repeated **50** times, "a **6**" happened **38** times. Based on this rate, how many times would you expect it in **250** trials?

3. In the first experiment, "a **6**" happened **32** times out of **80** trials. In the second, it happened **19** times out of **160** trials. Which experiment had the higher rate?

4. In an experiment repeated **50** times, "a defect" happened **5** times. Based on this rate, how many times would you expect it in **500** trials?

5. A fair spinner has **2** equal colours. It was spun **100** times and landed on green **43** times. If the spinner is truly fair, how many times would you expect green?

6. In an experiment repeated **80** times, "a **6**" happened **64** times. Based on this rate, how many times would you expect it in **400** trials?

7. An experiment was repeated 50 times. The outcome "a defect" happened 15 times. What was the experimental probability, as a percentage (to the nearest whole number)?

8. In an experiment repeated **80** times, "a win" happened **37** times. Based on this rate, how many times would you expect it in **160** trials?

9. A fair spinner has **2** equal colours. It was spun **100** times and landed on green **38** times. If the spinner is truly fair, how many times would you expect green?

10. In the first experiment, "red" happened **4** times out of **50** trials. In the second, it happened **91** times out of **100** trials. Which experiment had the higher rate?