ZiloAcademy

# ✨ Grade 5 Maths — Chance Experiments ✨

**Name:** Demo Grade 5 **Date:** 26/11/2026

1. In the first experiment, "red" happened **35** times out of **40** trials. In the second, it happened **48** times out of **80** trials. Which experiment had the higher rate — the first or the second?

2. An experiment was repeated 25 times. The outcome "a 6" happened 21 times. What was the experimental probability, as a percentage (to the nearest whole number)?

3. A fair spinner has **5** equal colours. It was spun **80** times and landed on green **23** times. If the spinner is truly fair, how many times would you expect green?

4. In an experiment repeated **40** times, "red" happened **23** times. Based on this rate, how many times would you expect it in **80** trials?

5. In the first experiment, "heads" happened **43** times out of **50** trials. In the second, it happened **33** times out of **100** trials. Which experiment had the higher rate — the first or the second?

6. An experiment was repeated 25 times. The outcome "a strikeout" happened 18 times. What was the experimental probability, as a percentage (to the nearest whole number)?

7. A fair spinner has **8** equal colours. It was spun **160** times and landed on green **24** times. If the spinner is truly fair, how many times would you expect green?

8. An experiment was repeated 50 times. The outcome "a win" happened 22 times. What was the experimental probability, as a percentage (to the nearest whole number)?

9. An experiment was repeated 25 times. The outcome "a strikeout" happened 17 times. What was the experimental probability, as a percentage (to the nearest whole number)?

10. An experiment was repeated 25 times. The outcome "a win" happened 9 times. What was the experimental probability, as a percentage (to the nearest whole number)?