

## ClawCADE STEM Worksheet - Intermediate (Grades 6–8)

- Record your attempts vs. wins on a claw machine. Calculate your success rate as a fraction and percentage.
- The claw grips with a certain force. How might increasing or decreasing the grip affect success?
- Write a hypothesis: If I had 20 tries, how many wins would I expect?
- Engineering Challenge: Suggest one design improvement to make the claw more efficient.