

ClawCADE STEM Worksheet - Intermediate (Grades 6–8)

1. Record your attempts vs. wins on a claw machine. Calculate your success rate:

Attempts	Wins	Fraction (Wins/Attempts)	Percentage (%)
_____	_____	_____	_____

2. The claw grips with a certain force. How might increasing or decreasing the grip affect success?

3. Write a hypothesis: If I had 20 tries, how many wins would I expect?

4. Engineering Challenge: Suggest one design improvement to make the claw more efficient.