

## Worksheet: Practicing the Skill of Seeking Disconfirming Evidence

### Using the Classic Wason Number-Sequence Task

#### Part 1 — Understanding the Task

Your friend gives you the number sequence: 2 – 4 – 6

This sequence follows a simple rule. Your job is to discover the rule by proposing new number sequences. Your goal is to seek disconfirming evidence.

#### Part 2 — Warm-Up

Question 1: Why do most people only test sequences that confirm their hypothesis?

#### Part 3 — Your Hypothesis

Question 2: My guess about the rule: \_\_\_\_\_

#### Part 4 — Generate Confirming Evidence

List three sequences that confirm your guess:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Question 3: What do these sequences have in common?

#### Part 5 — Seek Disconfirming Evidence

List three sequences that should NOT fit your rule:

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

Question 4: Why does each test potentially disconfirm your rule?

#### Part 6 — Evaluate the Results

Question 5: What does it mean if all disconfirming sequences DO fit the rule?

Question 6: Propose a broader rule that fits everything so far.

#### Part 7 — The Actual Rule

The real rule: "Any increasing sequence of numbers."

Question 7: Compare your final rule with the real one.

#### Part 8 — Reflection

Question 8: Describe a time you only looked for confirming evidence.

Question 9: Describe how you could use disconfirming evidence in the future.