07 Zero and one more

Aim

Understand empty sets and adding one.

Prepare

Have the pupil sheet and relevant materials ready. Revisit one previously taught example; use a different example from any formal check.

Model - make the thinking visible

Show an empty cup for zero. Add one counter to a set of three and recount four.

Practise and record

Use items 1-2 for supported practice and items 3-5 for individual attempts. Give each pupil a turn on all five, preventing peer copying. Record the support actually used, including a model on practice items. The session total is a teaching record; formal checks provide the fresh-task comparison.

Suggested answers / success criteria

1. Empty set.
2. 3.
3. 5.
4. 1.
5. 4.

If pupils struggle

Reduce to two choices, demonstrate a different example and allow pointing or adult scribing. Keep the same target skill.

Next challenge

Ask for a reason or a second example, then try the skill with less prompting.

Classroom link

Use one-more language when adding classroom items.

07 Zero and one more

Name or code: _____ Date: _____

Try the tasks with your adult. You can say, show, sign, point or write your answer. Your adult can help you record it.

1. Show zero counters.

---

2. One more than 2.

---

3. One more than 4.

---

4. One more than 0.

---

5. Make 3, then add one. How many?

Adult codes for tasks 1-5: ____ ____ ____ ____ ____

Correct: ____ /5 Independent: ____ /5 Useful support: _____