Investigate equality on a real balance

NAME	DATE

1 **Activity · Work with your teacher**

Make the two sides balance. Then try unequal groups. Tell what you notice.

Investigate equality on a real balance

1. Equal 5/5 is level. Unequal 8/5 has greater quantity 8. Observe and record both actual model investigations and the child's explanations. These two trials complete the task. Finding the difference or restoring equality is optional exploration, recorded separately and not required for Correct.

Teacher procedure · Question 1

1. Use a real level two-pan balance and identical unit cubes. Check that it balances when empty. Record each actual trial separately; provide at least 20 cubes.
2. Ask the child to put 5 cubes on each side and explain the level balance. Record balance-equal.
3. Ask the child to change one side to 8 cubes while the other stays at 5, observe the imbalance and identify the greater amount. Record balance-unequal.
4. Optional exploration, after recording the required trials: ask how many cubes restore equality and let the child test it. Keep this separate descriptive note; omission or an incorrect extension does not change the equal/unequal trial results.

Record: Record the actual materials, response, help and observation date for each action.

Actual equal-quantity trial

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

Actual unequal trial and greater side

Date observed: _____

☐ Independent ☐ Not yet / help needed ☐ Not observed

What the child said or did; prompts or self-correction:

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