

# A Tabletop Savings Experiment

Ages 8+, with an adult; decimals extension for older learners

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

Model three rounds. Start with 20 tokens. Each round, add 1 token for each complete group of 10 at the start.

Rounded model: 20 to 22 to 24 to 26. Exact 10% model: 20 to 22 to 24.2 to 26.62. This is a learning rule, not a promised return.

Round 1: start / added / end

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Round 2: start / added / end

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Round 3: start / added / end

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Why do the two models produce different answers?

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Record spending and deposits separately. Use drawings instead of small tokens where small objects are unsuitable.

## Workspace & adult notes

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## Answer check / discussion

1. 20 / 2 / 22

2. 22 / 2 / 24

3. 24 / 2 / 26

4. The token model counts only complete groups of ten.

What was clear? What would we change next time?

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