

M2C3 PLANNING MODELING TASKS Starting with CURRICULUM MATERIALS

Strategies for Adapting/Opening Up Curriculum Tasks

Change the way the Problem is Defined:

- Keep the question brief and open ended (the shortest question possible)
- Invite students to pose/define the question
- Include less information so that assumptions or decisions are required
- Leave some parameters of the task open, missing, or undefined
- Require justification and explanation

Expand the Range of Possible Solutions:

- Remove or change restrictions
- Adjust or remove quantities to allow for multiple solutions

Adapt the Context:

- Change the context to allow more complexity or reasoning
- Change the context to connect to students' experiences and interests

Select a contextualized task from your curriculum materials to adapt. (Word problems, or real-world application problems)

	Original Task (from curriculum)	Adapted Task
Task	Jonah loved to read. Yesterday he read 36 pages and today he read 28 pages. How many pages did Jonah read in all?	Jonah loved to read. He wanted to read an entire chapter book in one week. Make a plan with your table partners that shows how many pages he should read each day to finish his book in a week.
Key Math Ideas or Skills	Addition students could use multiple strategies to solve this join-result-unknown problem.	Addition, subtraction, multiplication, division Students could use multiple strategies and operations to solve this non-routine or open-ended problem.
Information given	Specific number of pages Jonah read each day.	Jonah wants to read 1 chapter book. He needs to finish the book in 1 week.
Information students need to generate	none	Number of pages in the book. How many pages Jonah reads in a day, and whether he reads the same number of pages each day. How many days are in a week (school week or calendar).
Decisions or assumptions needed	none	If any of the information needed (see list above) is not known or easy to generate, students will need to make decisions or assumptions. (For example, students may assume that Jonah only reads during the school week.)