Repeated Vacations

Summary

This is a math task. It relates to Standard 1.NBT.5 in the 2010 Utah Core Standards.

Main Core Tie

Mathematics Grade 1

Strand: NUMBER AND OPERATIONS IN BASE TEN (1.NBT) Standard 1.NBT.5

Materials

Task Sheet TTLP Sheet for Lesson Plan

Background for Teachers

See TTLP and Curriculum Guide 1.NBT.5

Student Prior Knowledge

See Critical Background Knowledge in the Curriculum Guide for 1.NBT.5.

Intended Learning Outcomes

Mathematical Practices 1, 2, 3, 4, and 8 are likely to be used in this task.

Instructional Procedures

LAUNCH: Talk about going on vacations and lead into this task story:

There were four siblings who went on a family vacation when they were young.
Sarah is 3. John is 4. Tally is 7 and Brent is 9.
They had so much fun that they decided to go on a vacation together every ten years.
They were able to go on seven vacations together over the years.

The task is to figure out how old each child would be on each vacation every year. EXPLORE: Individually students decide how to approach this task. They will test out their approach. Then they will share with another student their findings and compare results. The student will either then continue on with their approach because of the discussions they have had or go back to the start and think through the task again.

DISCUSS: Different children share and discuss how they work through the task. The presenter sums up their solutions with an open discussion with the class about the pattern they discovered, how to they used it, and various ways it was or could be presented -- pictures, graph, and tables.

Strategies for Diverse Learners

Provide many kinds of manipulatives to choose from. Start a strategy one time for them and have them finish it. Let certain children go around and help.

Extensions

Give more numbers for then to start with or harder numbers to start with. Ask the see if they can find another way to do it? Ask if they can find another way to represent the answer for others to understand it?

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