

Number Construction

Summary

This is a math task. It relates to Standard 1.NBT.2 in the 2010 Utah Core Standards.

Main Core Tie

Mathematics Grade 1

[Strand: NUMBER AND OPERATIONS IN BASE TEN \(1.NBT\) Standard 1.NBT.2](#)

Materials

Task Sheet TTLP Sheet for Lesson Plan

Background for Teachers

See TTLP and Curriculum Guide 1.NBT.2

Student Prior Knowledge

See Critical Background Knowledge in the Curriculum Guide for 1.NBT.2.

Intended Learning Outcomes

Mathematical Practices 3, 5, 6, 7, and 8 are likely to be used in this task.

Instructional Procedures

LAUNCH: We are going to be builders today! We are going to construct numbers. I'm going to use dice, a place value chart, and Base 10 blocks to build numbers.

My partner rolls one dice and I roll the other dice. What number can I make with the dice? Can I make another number?

With your partner decide what number to make. When you have decided on a number with your partner you are going to build the number using your base 10 blocks. Begin when you say, "Go."

EXPLORE: Students get with their partner and start rolling dice. They will then construct their number with base 10 blocks. When you are done compare what you built to check your work. Students will record the different combinations they can create with the two digits.

DISCUSS: Choose a few partners to share their answers/strategies with the class. Include students who needed an extension such as using three dice.

Strategies for Diverse Learners

- Provide manipulatives

- Provide a place value chart

- Assign them a partner

- Start a strategy and have them finish

Meet with the lower group at the table. Use one dice to get them started. Have a student roll the dice to get them started. Have a student roll the dice to count base 10 blocks using the place value chart. Once the group has started go around the room to observe the students and conference with them to understand their thinking.

Extensions

- Add another dice

- Have them use different manipulatives

Have the students use two dice each to roll a number and then add their 2 numbers together

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