How Long Must I Wait?

Summary

Students will organize and analyze data to make decisions about which rides to choose on their vacation to Disneyland.

Main Core Tie

Mathematics Grade 6

Strand: STATISTICS AND PROBABILITY (6.SP) Standard 6.SP.3

Time Frame

1 class periods of 45 minutes each

Group Size

Individual

Materials

- Math journal
- Task worksheet
- Pencil
- Calculator
- Document camera
- Chart paper for debrief

Background for Teachers

- Curriculum Guide for Grade 6 Statistics Probability Standard 3

Student Prior Knowledge

As an introductory lesson, students will just need to have worked with data and the necessary vocabulary terms: measure of center and measure variation.

Intended Learning Outcomes

Students will begin to understand and organize data to use in decision making.

Strategies for Diverse Learners

The following guiding questions will help support struggling learners:

- What do you know?
- What information are you given?
- How did you get this answer?
- What are you trying to figure out?
- Are there other possible answers?
- How do you know?
- Can you relate this to something you've learned before?

Extensions

If you pay $96 for a ticket and you are at Disneyland from 8 am to 4 pm, how much does each minute cost? How much does it cost you to stand in line for each of the 13 rides? Are you paying more to ride

or more to wait?

Bibliography

Adapted from: Smith, Margaret Schwan, Victoria Bill, and Elizabeth K. Hughes. "Thinking Through a Lesson Protocol: Successfully Implementing High-Level Tasks." Mathematics Teaching in the Middle School 14 (October 2008): 132-138.

Authors

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