



The Voting Station!

Counting and Comparing



Children often enjoy having their say and helping to decide events, by choosing between options, such as which book to share in story time. This provides purposeful opportunities for comparing numbers.

Adults could set up a 'voting station', displaying options such as books, and provide 'voting bricks' with each child's name on to be placed next to their choice and number cards to label the results. Timers that children could use to time themselves as they fill up the container.

The Activity

Ask children which of the two books displayed they would like at story time and give each child a brick with their name on, to place next to the book of their choice. Make towers of the bricks and discuss which option has the most votes, by comparing the numbers of bricks.

Encouraging mathematical thinking and reasoning:

Describing

Which tower has more bricks?
How many have they each got?

Reasoning

So which book do most people want?
How do you know?
How many people have not voted yet?

Opening Out

Suppose we have three books to choose between?
There are two more people to vote- will their votes change the result?

Recording

Can you put something on paper to show which one most people wanted?

The Mathematical Journey

Number

- Comparing more and less; being able to say 'This has more than that one'.
- Cardinal counting: counting and saying how many there are.
- Comparing numbers e.g. 'This has more because it has 8 and that one only has 6'.
- Estimating how many there are in a tower, or scattered bricks.
- Predicting addition e.g. 'If two more people vote for that one, then it will have 8'.
- Reasoning: '..But if this one gets 2 more, it will win, because it will have more'.

Data Handling:

- Interpreting the bricks as signifying the numbers of people who wanted an option.

Development and Variation

You could start by asking children how to decide – e.g. by raising hands and then discussing how to make it easier to see what happened and whether anyone has voted twice.

After the vote, two children could count the bricks and find number cards to match. Voting matters more if something happens as a result! Children could choose games to play outdoors or role play areas to set up, what to cook or make, or destinations for outings. Children may try and influence their friends as voting progresses: you could discuss how this might be avoided e.g. by posting votes secretly in a ballot box for each book.

Resources

Duplo bricks with children's names or name cards,

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Named pebbles or hand prints...

A table display, with number cards to label the results and a number track for reference.

Posting boxes for each option.

John Burningham's Would you rather? provides some engaging fantasy options.



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