

Average

Learning Objective:

- Find and describe average of given quantities in the data.
- Solve real-life situations involving average.

Let's Talk Math: Discuss with pupils that to find the average of a set of quantities, add them together, then divide the total by the number of quantities.

Activity: Data Visualization

Duration: 1 Lesson

Whole Class Activity

Let's Try It:

- Discuss the importance of having breakfast and discuss healthy breakfast options with pupils.
- Give each pupil a paper plate to write down what they had for breakfast that morning (or "nothing" if they skipped breakfast).
- Group breakfast items into categories (e.g., milk and cereal, fruits, toast, eggs).
- Divide pupils into groups to organise the data by gathering all plates representing the same category.
- Explain how a bar graph can effectively organize the responses. Each group draws a bar graph on chart paper representing their assigned breakfast category.
- Call each group to present their findings to the class, explaining their data
- Analyse the bar graphs as a class and discuss the data collected.

Assessment: Ask each student to develop their own survey.

Bar Graphs

Learning Objective:

- Organise the given data using bar graph.
- Read and interpret a bar graph given in horizontal and vertical form.

- Draw horizontal and vertical bar graphs for given data.
- Solve real-life situations using data presented in bar graphs.

Let's talk math: Show pupil's examples of bar graphs on the board and ask them for examples of the kind of data one could show in a bar graph.

Make Sure You Have: Number cards

Activity: Average Adventure

Duration: 1 Lesson

Group Activity

Let's Try It:

- Each pair receives a set of number cards.
- One pupil randomly picks cards and arranges them.
- The other pupil adds the numbers to find the total.
- Both pupils then calculate the average of the numbers.
- One pupil checks the total for accuracy.
- Using Books:
- One pupil opens a book randomly, and the other writes down the page numbers (10-15 terms).

Assessment:

- Gather feedback from each pair on how they calculated the average.
- Address any incorrect answers; use one pair's cards to demonstrate the correct method on the board.
- Discuss different methods used to arrive at the correct answer.