



Jumping for Data

Math – Grade 4-6

Students take turns jumping rope for one minute, and record their data. Then they create bar graphs and make estimations based on their data.

Materials:

- Jump ropes
- Stopwatches
- Pens or pencils, or responsible use of technology (i.e. using iPod touch or mobile computing device to record data).
- Paper

Instructions:

1. Students form groups of 3-4. Each group needs a jump rope and a stopwatch.
2. Outside, each team member takes a turn counting the number of times they can jump the rope in one minute. All group members record each member's data.
3. Each student makes a bar graph of the number of jumps each group member did in one minute.
4. Students calculate the mode, mean, and range of the data set.

**** Lesson Enhancement:** Can the students predict how many jumps they would be able to do in 3 minutes? In 5 minutes? 10 minutes?