

MEAN, MEDIAN, MODE

Purpose: Students will find the mean, median and mode of thirty-second class physical activity totals.

Suggested Grade Level: 4 - 5

Math SOL: Probability and Statistics 5.16

Equipment/Materials Needed:

1. Worksheet (provided)
2. Stopwatch or clock with a second hand
3. Calculators
4. Small pieces of paper (several per student)

Advance Preparation:

1. Make copies of the worksheet.
2. Make space on the chalkboard to record scores.
3. *Modification #3 – copy worksheet #2

Directions:

1. Tell students they will have 30 seconds to do a physical activity. When the 30 seconds is complete instruct them to write their total down on a small piece of paper.(on the My score line in modification #3)
2. Collect all of the pieces of paper.
3. Have students do the next physical activity while you write the totals from the first activity on the board.
4. When the next 30 seconds is complete, have students write their totals on another small piece of paper. (on the My score line in modification #3)
5. Collect and record those scores on the board while students participate in the final activity.
6. Do the same for the last activity.
7. Have students record the totals in the correct area of the worksheet. You may read the scores out for students to record, or let students copy from the board.
8. Have students figure out the mean, median and mode for each activity on the space provided on the worksheet.

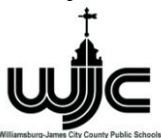
Teaching suggestions:

1. During the activity tell students to count silently so they do not confuse other students.
2. Make sure students have space to do the activities.
3. Make calculators available.

Modifications/Variations:

1. Do more than 3 exercises.
2. Have students go for 1 minute instead of 30 seconds
3. **Place students in groups of 5 or 6 and have them do this in a smaller group. – See Worksheet #2**
4. Add range to this activity.

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Williamsburg Community
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MEAN, MEDIAN, MODE WORKSHEET

Name _____

1. Individual totals - Jumping Jacks in 30 seconds

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

What is the mean for the class? _____

What is the median for the class? _____

What is the mode for the class? _____

2. Individual totals – Scissor kicks in 30 seconds

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

What is the mean for the class? _____

What is the median for the class? _____

What is the mode for the class? _____

3. Individual totals – Cross Crawls in 30 seconds

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

What is the mean for the class? _____

What is the median for the class? _____

What is the mode for the class? _____

MEAN, MEDIAN, MODE WORKSHEET

Name _____

For each activity, write your score in the “my score” space. Include your score with the remainder of your group members scores in the boxes provided.

1. Jumping Jacks in 30 seconds

My score _____

--	--	--	--	--	--

What is the mean for your group? _____

What is the median for your group? _____

What is the mode for your group? _____

2. Scissor kicks in 30 seconds

My score _____

--	--	--	--	--	--

What is the mean for your group? _____

What is the median for your group? _____

What is the mode for your group? _____

3. Cross crawls in 30 seconds

My score _____

--	--	--	--	--	--

What is the mean for your group? _____

What is the median for your group? _____

What is the mode for your group? _____