

Using Pedometers in the Classroom- Sample Math Activity:

3rd grade: Students will be equipped with pedometers. They will be asked to walk the distance between 2 cones and record their step counts. Upon completing the area to be measured they will calculate the number of feet between each cone. Each step will count for 2 feet walked.

5th grade: Students will use pedometers to determine the distance of the perimeter and the area of the shape created by the cones. Students will work in groups of three and use the average of their step counts for the calculations. Each step will equal 2.25.

7th grade: Students will use a diagram of the school to predict the area. The student will use a pedometer to measure distances within a school. The students will draw a scaled map of the school. The students will then predict how many steps it will take to go from the classroom to a variety of places within the school. The students will use the pedometer to measure the actual steps it takes to reach these places within the school. The students will then use graph paper to draw a scale map of the school using their number of steps.

9th grade: Students will formulate an average number of steps in a given time. The students will analyze data to answer a question. Have students wear a pedometer and walk around the classroom for 60 seconds. Analyze the data and develop a class average. Convert the average in one minute to a class average for an hour. Pose the following question for students to answer: "If we travel at (class hourly average) and slow down two steps per minute after the first minute, how long would it take for us to come to a complete stop?" Allow the students to answer the question individually or in groups.

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