

MeTEOR Performance Task

Fourth Grade

Mathematics
Challenge Accepted

Performance Task Item: Challenge Accepted

Scenario: Your Physical Education teacher challenged 3rd, 4th and 5th grade students to a Fitness Frenzy! He wants to see which class can walk the greatest distance in one month. Is the 4th grade class up for the challenge?

Task/Question 1:

- A.** Each lap around the school building (on the sidewalk) is $\frac{3}{4}$ mile. You walked 5 laps around the school. How many miles did you walk?

- B.** 9 other students in your class also walked 5 laps around the school. How many miles total did the 9 students walk all together?

- C.** 7 of your classmates walked $11\frac{1}{4}$ miles each, how many miles did they walk?

- D.** Jeff walked one lap every day for 15 days, how miles did Jeff walk?

- E.** What is the grand total of miles walked for your 4th grade class (Use data from Parts A – D)?

- F.** With your math partner discuss your mathematical thinking. What patterns did you see? What strategies did you use to solve the problems?

Task/Question 2:

- A.** The third grade class really wants to win the challenge so they walked one lap everyday as a class during their afternoon recess for 13 days. If there are 17 students in the class how many miles did they walk all together?
- B.** Did the third grade class walk more or less miles than 4th grade (Based on Data from Task 1)? Record the results of comparisons with symbols $<$, $>$, $=$

Task/Question 3:

The fifth graders were determined to win. They even made a poster for the hallway graphing the number of miles they walked. It included the following information:

- Week one the class walked 32 miles
- Week two the class walked $29 \frac{1}{2}$ miles
- Week three the class did not report any data for miles walked
- Week four the class walked $44 \frac{3}{4}$ miles

- A.** Based on the information above, create a poster, similar to the one you think the 5th graders posted in the hallway, that graphs the miles walked:

Task/Question 4:

Your PE teacher has asked for help calculating the totals to find out what grade is the most fit!

A. Create a graph showing the total number of miles walked for 3rd grade, 4th grade, and 5th grade:

B. Which grade walked the greatest number of miles?

C. Which grade walked the least number of miles?



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