

Fitting In

Congratulations. Mr. Holmes, our school principal, has hired you to help him. He wants to know if all 432 kindergarten through fifth grade children here at Mathtown Elementary School will fit in the gym at the same time. He does not want to use valuable learning time to test this. Instead he has hired your team to use mathematics to find out for him. He wants you to keep in mind that this is an institution of learning, and you must be very careful about interfering with all the wonderful learning that is taking place.

What kinds of information might you need in order to solve this problem? Write a plan for how you might determine the answer.

Once your plan has been approved, be ready to implement it. Keep track of all the time you spend on this. Mr. Holmes will contribute \$7.00 per hour to the Celebration Fund for your work. However, he needs evidence that you are using your time wisely so keep written records of what you did and the time it took.