

Activity 3: Bounce and Pass

In this activity, people will stand in a circle. The starter will bounce, catch, and pass the ball to the next person. Continue bouncing, catching, and passing the ball until it is back to the starter. Record six trials below.

Number of People	Time in Seconds

1. Predict how long it will take the whole class to bounce, catch, and pass the ball. Then do the activity with everyone to check your prediction.
2. Enter the data into lists in your calculator, except the whole group data. Make a scatter plot of the data and sketch it below.



3. Write a function rule to fit the data and list it below. Test it on your calculator. Draw the line on the grid above.
4. According to the graph of your line, how long should it have taken the whole class to bounce, catch, and pass the ball?