

Bouncing Tennis Balls Recording Sheet

NAME _____

How many times can you bounce and catch a tennis ball in two minutes?

A bounce is defined as dropping the ball from your waist. Work with a team of four people (including yourself). One of the team members keeps the time while you bounce and catch the ball. A second team member counts the bounces, and the third team member records the data in a table showing the cumulative number of bounces. Each trial consists of a two-minute experiment, with the number of bounces recorded after every ten seconds. The timekeeper calls out the time at ten-second intervals. When the time is called, the counter calls out the number of bounces that occurred during that ten-second interval. The recorder writes this count in the table and keeps track of the cumulative number of bounces.

Time (Seconds)	Number of Bounces during Interval	Cumulative Number of Bounces
0	_____	_____
10	_____	_____
20	_____	_____
30	_____	_____
40	_____	_____
50	_____	_____
60	_____	_____
70	_____	_____
80	_____	_____
90	_____	_____
100	_____	_____
110	_____	_____
120	_____	_____

The same process is followed by each person on the team, with the team members rotating roles, so that each person can collect a set of data. All team members must bounce the ball on the same surface (e.g., tile, carpet, concrete) because differences in the surface could affect the number of bounces.

Once the data have been collected, graph the data showing your cumulative number of bounces over two minutes.