

TO DETERMINE OPTIMUM BALL REACTION

General Instructions: Secure one or more types of molded ball and inflate to pressure that will make ball bounce 50" (measured to top) when dropped six feet (measured to bottom).

Use ball for a given length of time in a game or for shooting or passing drills. Then inflate ball so that it will bounce 52" and use for same length of time. Repeat for 54". Collect data as follows.

School: _____ Town: _____

Signed: _____

Data on Ball Reaction

General Statement of How Experiment was Conducted: _____

Name of Ball: _____ Pressures used 1 (50") _____ 2 (52") _____

3 (54") _____

	At 50"	At 52"	At 54"	Any Other
Number of fumbles:	_____	_____	_____	_____
% Field Goals made:	_____	_____	_____	_____
% Free Throws Made:	_____	_____	_____	_____
No. times possession changed:	_____	_____	_____	_____
No. times ball was out of bounds (Do not count after goal)	_____	_____	_____	_____

Your opinion based entirely on observation:

Which reaction seemed to be most satisfactory to players? _____

Which produced the most interesting game? _____

If there was any noticeable difference in crowding under basket or accuracy and speed of dribbler, state what: _____

What do you consider the optimum bounce? _____