Name: Name _____ Class: _____

Softballs vs. Baseballs

GRADES 6-8

Data Collection

	Softball		Baseball	
	Distance (meters)	Time (seconds)	Distance (meters)	Time (seconds)
Hit 1	answer here	answer here	answer here	answer here
Hit 2	answer here	answer here	answer here	answer here
Hit 3	answer here	answer here	answer here	answer here

Calculations:

SOFTBALL

	Initial speed	Final Speed (distance divided by time)	Acceleration (initial-final divided by time)	Mass of ball	Force Acting on ball (Mass times Acceleration)
Tennis ball	**0 m/s**	answer here	answer here	**.08 kg**	answer here
Golf ball	**0 m/s**	answer here	answer here	**.05 kg**	answer here
Baseball	**0 m/s**	answer here	answer here	**.14 kg**	answer here

BASEBALL

	Initial speed	Final Speed (distance divided by time)	Acceleration (initial-final divided by time)	Mass of ball	Force Acting on ball (Mass times Acceleration)
Tennis ball	**0 m/s**	answer here	answer here	**.08 kg**	answer here
Golf ball	**0 m/s**	answer here	answer here	**.05 kg**	answer here
Softball	**0 m/s**	answer here	answer here	**.25 kg**	answer here

Name: Name Class: _____

Softballs vs. Baseballs

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***Extend* only:**

Diagrams: Draw a diagram that shows the amount of force acting on each ball and how it affects the motion.

Underhand Throw/Pitch	Overhand Throw/Pitch
add diagram	add diagram