

# Sports Math

## Activity 2 - What's Your Speed?



Did you know that some professional baseball pitchers can throw a baseball over 100 miles per hour (160 kilometres)? It might be a while until you are able to throw a ball at such speed, but for now why not find out fast you can throw a baseball or softball?

### Activity Instructions:

Practice throwing a ball vertically up into the air and counting the seconds before it touches the ground. Use the chart to convert seconds into kilometres per hour. Have a friend or family member try this to see who throws the fastest. Keep a chart to show the stats. Gather together as many different balls as you can that vary in size and mass. Try the timing test with all of them. What do you think will happen? Make a graph or chart to show results.

Seconds	Km/h
1	18
2	35
3	53
4	70
5	88
6	106
7	123
8	141

**Bonus:** A player hit a pop fly which went straight up and was in the air for 7.5 seconds. Use the same chart to find out the speed of the ball.

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Can you believe THIS is math?