

Name \_\_\_\_\_

**Babe Ruth Baseball Card Math – Calculating Slugging Percentage** Use the chart below to answer the questions. These are REAL statistics!



Year	At-bats	Total Bases	Slugging Percentage
1919	432	284	.657
1920	458	388	
1921	540	457	
1922	406	273	
1923	522	399	
1924	529	391	
1925	359	195	

Unlike batting average, slugging percentage measures the quality of hits a batter gets. If a batter hits a lot of doubles, triples, and home runs, he or she will have a high slugging percentage. Slugging percentage is calculated by dividing the total number of at-bats by total bases.

For example, in the year 1919, Babe Ruth had a slugging percentage of .657. I got this by dividing the total bases for 1919 (284) by the at-bats for 1919 (432). The answer I got was 0.65740741. I rounded it to the nearest thousandth to get .657. In general, a slugging percentage that is .500 or more is considered a good slugging percentage.

Fill in the slugging percentage cell for each year. Ask your teacher whether or not you can use a calculator. Make sure you correctly round to the nearest thousandth.

## Answers

<b>Year</b>	<b>At-bats</b>	<b>Total Bases</b>	<b>Slugging Percentage</b>
1919	432	284	.657
1920	458	388	.847
1921	540	457	.846
1922	406	273	.672
1923	522	399	.764
1924	529	391	.739
1925	359	195	.543