Bryce Harper – Wash. Nationals   Name_____

Baseball Card Math

	At-bats	Hits	Doubles	Triples	Home Runs	Runs Batted In	Stolen Bases	On-Base Percentage	Batting Average
2016	506	123	24	2	24	86	21	.373	.243
2017	420	134	27	1	29	87	4	.413	.319

At-bats = The number of times a player bats (without getting a walk)

Hits = The number of times a player gets a single, double, triple, or home run

Doubles = The number of times a player gets a hit and makes it to second base

Triples = The number of times a player gets a hit and makes it to third base

Home Runs = The number of times a player hits the ball and it goes over the fence (or the number of times a player hits the ball and makes it to home plate).

Runs Batted in = The number of times a player makes a play that results in one or more runs being scored.

Stolen Base = The number of times the player makes it from first to second base, from second to third base, or, from third to home plate while the pitcher is pitching.

On-Base Percentage = The numerical chance in which a player makes it to a base.

Batting Average = The numerical chance in which a player gets a hit. (Hits divided by At-bats)

1. What was the ratio of Bryce Harper's home runs to RBI's in 2017?

2. 2017 was a better statistical year for Bryce Harper than 2016. In the chart below, indicate the amounts his batting average and on-base percentage increased

	On-Base Percentage	On-Base Percentage Improvement	Batting Average	Batting Average Improvement
2016	.373		.243	
2017	.413		.319	

3. What percentage of Bryce's Harpers 2017 hits were…

Singles		Doubles	
Home Runs		Triples	

Answers

1. What was the ratio of Bryce Harper's home runs to RBI's in 2017?

   1:3

2. 2017 was a better statistical year for Bryce Harper than 2016. In the chart below, indicate the amounts his batting average and on-base percentage increased

	On-Base Percentage	On-Base Percentage Improvement	Batting Average	Batting Average Improvement
2016	.373	.04	.243	.076
2017	.413		.319	

3. What percentage of Bryce's Harpers 2017 hits were…

Singles = 57%	Doubles = 20%
Home Runs = 22% (.216)	Triples = 1 %