Decimals Worksheet 6 Key

A batting average is the oldest and one of the most important statistics used in baseball. A batting average is computed as the number of hits divided by the number of at bats, rounded to the nearest thousandth.

1. Complete the table below. Round each batting average to the nearest thousandth.

MLB Player Batting Stats: 2007			**Source: http://sports.espn.go.com**	
Player	Team	Number of Times at Bat	Number of Hits	Batting Average
Magglio Ordonez	DET	595	216	0.3630252 → 0.363
Ichiro Suzuki	SEA	678	238	**.351**
Placido Polanco	DET	587	200	**.341**
Jorge Posada	NYY	506	171	**.338**
David Ortiz	BOS	549	182	**.332**
Chone Figgins	LAA	442	146	**.330**
Mike Lowell	BOS	589	191	**.324**
Vladimir Guerrero	LAA	574	186	**.324**
Derek Jeter	NYY	639	206	**.322**
Dustin Pedroia	BOS	520	165	**.317**

2. Order these batting averages from least to greatest.

   0.317, 0.322, 0.324, 0.324, 0.330, 0.332, 0.338, 0.341, 0.351, 0.363

3. Order these players from best to worst based on their batting averages.

   Magglio Ordonez, Ichiro Suzuki, Placido Polanco, Jorge Posada, David Ortiz, Chone Figgins, Mike Lowell, Vladimir Guerrero, Derek Jeter, Dustin Pedroia

4. What is the difference between the highest and the lowest batting average?

   0.363 – 0.317 = 0.046

5. What is the difference between Jorge Posada's batting average and Derek Jeter's?

   0.338 – 0.322 = 0.016

6. Which two players have the same batting average (rounded to the nearest thousandth?)

   Mike Lowell and Vladimir Guerrero

