

## S028 Motivating Student Learning Through Sports-Related Math Questions

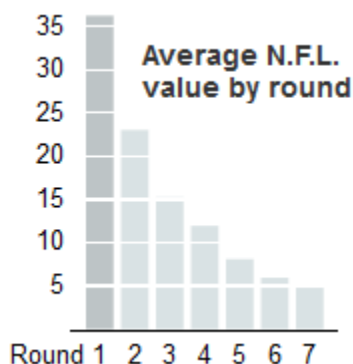
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Here is a sample of some of the questions that I have used to motivate student learning.

1. In 2009, Usain Bolt ran 100 meters in 9.58 seconds. How many miles per hour did he average on his run? Hint: There are 1609.34 meters in one mile.
2. In 2012, Sarah, a cheetah at the Cincinnati zoo, ran 100 meters in 5.95 seconds. How many miles per hour did the cheetah average on her run?
3. In 2009, Usain Bolt ran 100 meters in 9.58 seconds. A snail can “run” about 0.007 mph. How fast can a snail “run” 100 meters?  
Hint: There are 1609.34 meters in one mile.
4. Find the missing subscores in a game of bowling:

1	2	3	4	5	6	7	8	9	10
X	X	8 /	X	6 3	5 3	X	X	5 3	X X X

5. We know that Michael Jordan took 555 3P shots in his career in Chicago. Now suppose that we guess that Michael would play for 2 more years in Washington. Predict the total number of 3P shots made.
6. You are in a gym watching a very good player practicing. This player is 5 feet 11 inches. Is it more likely that this is a WNBA player or a NBA player?
7. What are some interesting questions that you can ask given the following data?



<http://www.nytimes.com/>

World's #1 Starting Pitcher Rankings: 10/29/2016		
Rank	Name	Score
1	Clayton Kershaw	603.1
2	Max Scherzer	589.3
3	Corey Kluber	581.1
4	Madison Bumgarner	572.2
5	Jon Lester	570.5

<http://www.billjamesonline.com/>