

Name: _____ Date: _____

Michael Jordan

Statistics and Predictions

Below is the data covering the first 8 seasons of Michael Jordan's career.

Enter the data into your calculator and answer each of the questions below.

Season	Games	FieldGoals	FreeThrows	Points
1986-87	82	1098	833	3041
1987-88	82	1069	723	2868
1988-89	81	966	674	2633
1989-90	82	1034	593	2753
1990-91	82	990	571	2580
1991-92	80	943	491	2404
1992-93	78	992	476	2541

- 1 . Calculate the average number (mean) of:
 - a. Games played per season
 - b. Field goals made per season
 - c. Free throws made per season
2. Calculate the average number (mean) of points scored per season. Calculate the average number of points per game for each season. Predict how many points Mr. Jordan would have possible scored during the 1993 - 1994 season had he not retired.
3. Calculate the number of 3-point field goals scored in each season.
4. After evaluating Mr. Jordan's N.B.A. career stats, determine his best season. Explain your answer.

Thinking Cap

Look up Mr. Jordan's last season statistics. Would any of last year statistics alter your answers above? Was last season his best season? Explain your answer.


Michael Jordan

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Using this Activity

Key sequence for entering data is:

Set the calculator for statistics mode:  

Enter the data points ably pressing the data number and for each piece of data 

Objective: Use the calculator to explore the mean of given data and make predictions about future data.

NCTM Standards: Mathematics as Problem Solving, Statistics, Mathematics as Reasoning.

Helpful Hint:

When in statistics mode, any key with light blue may be accessed by pressing the key without using the shift key. Remember that any of these keys may be accessed in the scientific mode by using the shift key.

Discuss the pros and cons of making predictions based on statistical data.

Review vocabulary.

Answers

1. a. 81 games
b. 1013.14 field goals (1013.14 but you can't make .14 of a field goal)
c. 623 free throws

2.	2688 points	3.	YEAR	3-Pointers
	YEAR		1986-87	12
	Points per Game		1987-88	7
	1986-87		1988-89	32
	37 (37.1)		1989-90	92
	1987-88		1990-91	29
	35		1991-92	27
	1988-89		1992-93	81
	32 (32.5)			
	1989-90			
	34 (33.6)			
	1990-91			
	31 (31.5)			
	1991-92			
	30 (30.1)			
	1992-93			
	33 (32.6)			

Answers will vary on prediction

4. Answers will vary