

Algebra Essentials and Applications Internet Activity

ME1 WBB Investigations

- On the NCAA Women’s Basketball site, find the leading scorers. To do this, select “Division 1.” Then, click on “Individual,” select “Scoring” from the pull-down menu, and then click on “Fetch.” Use the data to complete the table.

Rank	Leading Scorers	Total Field Goals (TFG)	Free Throws (FT)	Points (PTS)
1				
2				
3				

- Each free throw counts as one point . All other points come from field goals. Find how many total points the number one scorer made from field goals.

- Field goals are worth either two or three points. Write a system of equations to find how many of each kind of field goal the number one scorer made. Let x = the number of two-point field goals, and let y = the number of three-point field goals. Note that the number of two-point field goals plus the number of three-point field goals equals the total number of field goals.

- Solve the system and interpret your results.

- Write and solve a system of equations in order to find the number of each kind of field goal that the second leading scorer made.

6. Write and solve a system of equations in order to find the number of each kind of field goal that the third leading scorer made.

7. Compare the y -values of your answers to the column titled “3FG.”
