A3 | Lubna of Cordoba : First Muslim Women Math Educator in Europe.

Pre-Lab Questions:
1. What was Lubna of Cordoba's mathematical contribution ?
2. What were the challenges she had to overcome to become a mathematician?
3. Describe the connection between these three: Lubna and Archemides

Materials needed:

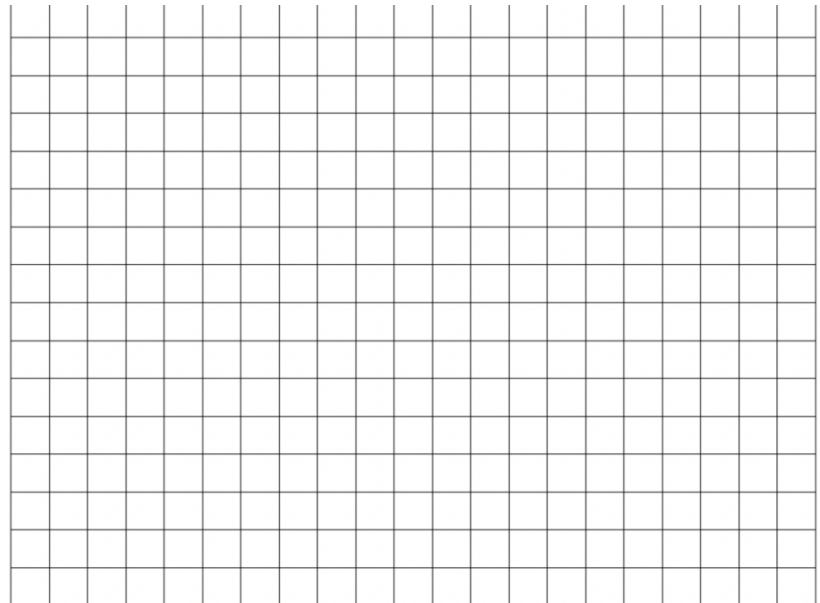Lab partner, meter stick, string, 5 different circular objects for 5 different trials.

Procedure:

1. To measure the circumference, wrap a piece of string around the circle. Now measure the length of that piece of string by using a meter stick.
2. Use a meterstick to measure the diameter.
3. Record the data in the table above.

Diameter (x)	Circumference (y)

Calculation:

1. Plot a graph of the circumference of the circle vs the diameter of the circle. Choose an appropriate scale and label your axes.

2. Draw a line of best fit through your data points. (Don't connect Dots)

3. Calculate the slope of your best fit line using two points from the best fit line.

Exit Slip:

1. Calculate the slope of your best fit line using Regression by Ti84 calculator.

	BFL	Ti84
Slope		
Which one is more reliable? Explain.		