

Weekly Challenge #5: Answers

Who am I and what was my most notable achievement?

Welcome to the Count on Us Secondary Challenge's fifth weekly challenge. This challenge is very hard! It will introduce you to a remarkable person with a very sad story. You can use any research tools you can find.

- A. Sixth letter of the most exciting subject to study at school. **Mathematics (M)**
 - B. Fifth letter of the name of the mathematician after whom the relationship $a^2 + b^2 = c^2$ is named.
Pythagoras (A)
 - C. Second letter of the result when two numbers are multiplied. **Product (R)**
 - D. Fourth letter of the name of a flat straight sided closed shape. **Polygon (Y)**
 - E. Fourth letter of the name of a number in the sequence 1,4,9,16,25, **Square (A)**
 - F. The first letter of the average found by adding all data values and dividing by how many there are.
Mean (M)
1. First letter of the average being the most common item in a data set. **Mode (M)**
 2. Fourth letter of a line connecting the centre to the circumference of a circle. **Radius (I)**
 3. Second letter of a number expressed in the form $\frac{a}{b}$ **Fraction (R)**
 4. First letter of nothing. **Zero (Z)**
 5. Fourth letter of an expression containing this symbol = **Equation (A)**
 6. First letter of a quadrilateral with two pairs of equal adjacent sides. **Kite (K)**
 7. Second letter of a quadrilateral with four equal sides but maybe no right angle. **Rhombus (H)**
 8. Fifth letter of the average being the middle number of an ordered list of numeric data. **Median (A)**
 9. Third letter of an equation of the form $y = ax + b$ **Linear (N)**
 10. Second letter of the shape produced by all points that are the same distance from one fixed point.
Circle (I)
MARYAM MIRZAKHANI. The first woman to win the Field's medal (the equivalent in mathematics of winning the Nobel prize).