



GoldieBlox.



INTERNATIONAL DAY OF THE GIRL



Never give up with

Neha Murad

Biomathematician



MATH MODEL OF TRANSPLANTED KIDNEY

$$\frac{dH_s}{dt} = -X_{(E_7E_8)} B_{H_s} E_x - X_{(E_7E_8)} B_{H_s} V$$
$$X_{(E_7E_8)} B_{H_s} V - S_{H_s} H_s - X_{(E_7E_8)} S_{EH} E_v H_s$$

When **Neha Murad** was in seventh grade, she got an F in math. But she hadn't studied at all. With a little bit of encouragement from her teachers, she soon realized that math was fun and she was good at it. Even though Neha was one of the few girls in her math classes in college, she stuck with it. She even inspired her younger sister

to pursue a math degree. Now as a biomathematician, Neha uses math everyday to better understand how the human body works. Math has never been more cool!

QUESTION

Did you always want to be a mathematician?

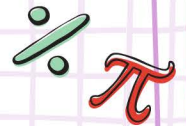
ANSWER

"Growing up, I was not exposed to or made aware of all the amazing women mathematicians. I feel doubly motivated to spread awareness in young girls about the possibility of mathematics and all the women who are doing such cool things with it!"

💡 Don't be afraid to dream, but also remember that even if you experience failures and disappointments you are exceptional and you will rise and shine no matter what! 🌟

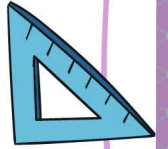
- Neha Murad

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Crack The Code



Solve the math problems below. Each one is tied to a letter. The solution to each letter's math problem will help you complete the decoder. Then use the completed decoder to reveal the answer to the math joke at the end!



E	G	H	I	N	S	T	V

$$\begin{array}{r} \text{E.} \quad 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{G.} \quad 2 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H.} \quad 0 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} \text{I.} \quad 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{N.} \quad 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} \text{S.} \quad 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} \text{T.} \quad 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{V.} \quad 5 \\ - 3 \\ \hline \end{array}$$

Why was six afraid of seven?

Because
 3 4 2 4 7

 !
 4 5 1 8 6 7 5 7 4

ANSWERS

Joke: Because "seven, eight, nine!"
Math problems: E: 4; G: 1; H: 8; I: 5; N: 7; S: 3; T: 6; V: 2

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LEARN MORE!

What's the Point of Math? by DK, DK Children, 2020
Miss Brain's Cool Math Games by Kelli Pearson, Artful Math, 2019
Logic Puzzles for Clever Kids by Molly Lynch, Rockridge Press, 2020

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