

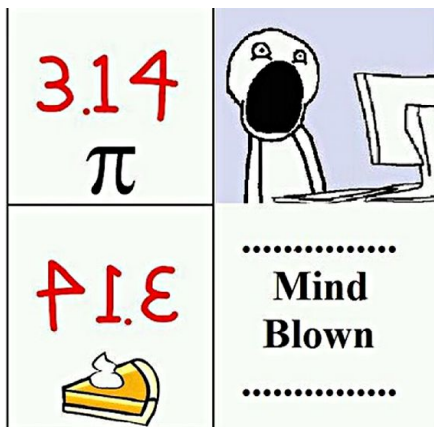


Starters 5-10 mins

Announcements..... 1 min
Share club member achievements.

Snack, Cackle & Pop..... 2 mins
Snack: Candy Kittens! Yummy

Cackle:



Pop: Stemillions playlist on Spotify:
bit.ly/stemillionsplaylist

Meet Them..... 5 mins
Dr Eugenia Cheng is a mathematician, pianist & best-selling author. She is currently the Scientist in Residence at the School of the Art Institute of Chicago, Honorary Fellow of the University of Sheffield & Honorary Visiting Fellow of City University, London. Her 1st book "How to bake Pi" teaches you maths through baking desserts.

Watch: bit.ly/049MeetThem

Discuss:

- ★ What do you think of Eugenia's video?
- ★ What is pi?
- ★ Dr Eugenia currently lives in Chicago - if you could live anywhere where would you live and why?

Mains 20 mins - choose ONE only

MAKE..... 20 mins

Pythagoras Sweets: for this activity, you will need Starburst or other square sweets. Follow the steps below or this video explains the activity:

bit.ly/049make.

- 1- Create a right-angle triangle with short sides of 3 & 4 starbursts & the hypotenuse 5 starbursts long.
- 2- Now create squares on each side of the triangle, so on the 3 side, the square will be 3 x 3 starbursts; do the same for the 4 and 5 side.
- 3- Now take the starbursts from the two shorter sides and place them on top of the sweets that form the hypotenuse square.

- ★ Do the starbursts from the shorter sides completely cover the longer side?

Do these triangles follow the same rule?

- 6, 8, 10? • 4, 5, 6?
- 5, 12, 13? • 2, 3, 4?

- ★ Why do some of these work & others don't?
- ★ What other combinations of numbers work?

EXPLORE..... 20 mins

Dr Eugenia is a mathematician and pianist.

Make a song or rap about your favourite topic in Maths. Maybe you're really good at trigonometry, geometry, indices, probability, it can be anything!

You could look up music to sing/ rap along to on YouTube, but the most important aspect is the lyrics! If you want, perform your hit song to the rest of your club. If you want some inspiration,

bit.ly/049explore

Desserts 5 min

Share with us 1 min
Upload photos on Twitter or Instagram and tag @Stemettes and #Stemillions.

Ask Away..... 2 mins
Got a question? Ask Away! bit.ly/Ask-Away

Digest..... 2 mins
Digest this Meal Plan bit.ly/digest049