



## Starters 5-10 mins

**Announcements**..... 1 min

Share club member achievements.

**Snack, Cackle & Pop**..... 2 mins

**Snack:** Candy Kittens

**Cackle:**

**When you finally understand something in Maths...** 😂



**Pop:** Stemillions playlist on Spotify:

[bit.ly/stemillionsplaylist](http://bit.ly/stemillionsplaylist)

**Meet Them** ..... 5 mins

Maryam Mirzakhani was an Iranian mathematician and Professor of Mathematics at Stanford University. She is the first woman (and Iranian) to have ever won the Fields Medal (aka Maths Nobel Prize). Her research was on complex geometry and complex systems. Earlier this year, she passed away due to breast cancer.

**Watch:** [bit.ly/O18MeetThem](http://bit.ly/O18MeetThem)

**Discuss:**

- ★ What did you think of Maryam's video?
- ★ What do you enjoy most about maths?
- ★ Can you name any females who have won the Nobel Prize or Fields Medal? (look it up)

## Mains 20 mins - choose ONE only

**MAKE**..... 20 mins

**Origami Cube:** For this activity you will need 6 sheets of square/origami paper. Watch this video and follow along to see how it's done

[bit.ly/O18make](http://bit.ly/O18make).

As most of Mirzakhani's research involved geometry, can you work out the:

- ★ Volume of the cube?
- ★ Surface area of the cube?

**EXPLORE**..... 20 mins

Mirzakhani was the first female to win the Fields Medal in 2014; the Fields Medal is similar to the Nobel Prize. As a club make a display about the amazing females who have won either Nobel Prizes or Field Medals for their work and research. Each club member chooses their favourite female winner and research:

- ★ What they won the medal/prize for?
- ★ When they won?
- ★ A brief summary of their research.
- ★ Are they still alive?

Bring all your research together to create a display about all the amazing female winners.

## Desserts 5 mins

**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](http://bit.ly/Ask-Away)

**Digest**..... 2 mins

Digest this Meal Plan [bit.ly/digest018](http://bit.ly/digest018)