

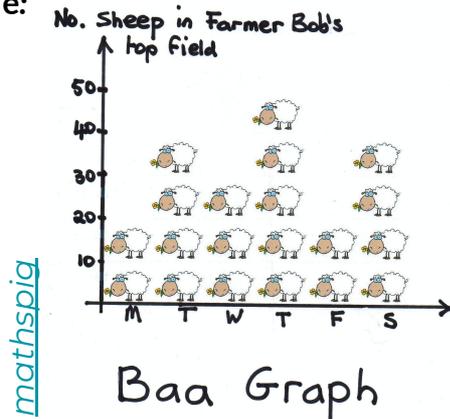


Starters 5-10 mins

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

Snack: grab a snack of your choice!

Cackle:



Pop: Stemillions playlist on Spotify:

bit.ly/stemillionsplaylist

Meet Them..... 5 mins

Dr Eugenia Cheng is a mathematician, pianist & best-selling author. She's currently the 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 your favourite maths topic?

Desserts 5 min

Share with us 1 min

Upload photos on [Twitter](https://twitter.com) or [Instagram](https://www.instagram.com) 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 - [complete this form.](#)

Mains 20 mins - choose ONE only

MAKE..... 20 mins

You will need: square sweets, A4 paper, pens.

Dr Cheng loves maths and food, in this activity we will explore shapes, in particular, triangles, using sweets. For this activity you will need Starburst or other square sweets. This video explains the activity or follow the instructions below: bit.ly/049make.

- ★ Draw a right-angle triangle with the short sides being 3 starbursts and 4 starbursts long and the hypotenuse 5 starbursts long.
- ★ Create a square on each side of the triangle, so on the 3 side, the square will be 3x3.
- ★ Now take the starbursts from the two shorter sides and place them on top of the sweets that form the hypotenuse.

Do the starbursts from the shorter sides completely cover the longer side? Now try these triangles?

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

Why do some of these work and others don't?

EXPLORE..... 20 mins

You will need: internet access.

Dr Cheng is a mathematician and pianist. Make a song/rap about your favourite topic in maths.

Maybe you like

- ★ Fractions
- ★ Multiplying
- ★ Shapes
- ★ It can be anything!

You could look up music to sing/rap along to on YouTube, but the most important aspect is the lyrics! Perform your hit song. If you want some inspiration, [check out this video on angles.](#)