

# PMA POWERFUL LEARNERS MATHEMATICS AND NUMERACY CHALLENGE 2023

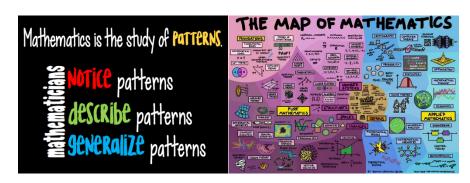
### LAST CHANCE INVESTIGATION – OPTION ONE

**Mathsplaining!** 

Children are invited to learn in pairs and produce a "mathsplaining" resource – it could be a video, text, poster – or any powerful communication tool of your choosing!

#### All learners need to do is:

- Choose a learning partner
- Choose an important mathematical concept that they want to "mathsplain"
- With their learning partner investigate that concept and make sure they really understand it for themselves
  - Choose an audience (which year levels are you "mathsplaining" for")
    - Choose a communication tool
    - Produce a resource that will explain that concept to other learners.
    - Test it out with at least three learners and collect their feedback



## When you represent your findings the judges would like to see:

- ❖ Your "mathsplaining" resource
- Why you chose this concept
- The feedback from your three learners

EMAIL YOUR LEARNING EVIDENCE TO <a href="mailto:primarymathsPD@bigpond.com">primarymathsPD@bigpond.com</a> with the following details: Site Name, Learners Names, Year Level DUE BY 5pm on Monday 23<sup>rd</sup> October (Week 2)



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### LAST CHANCE INVESTIGATION – OPTION TWO

**Developing our Financial Capability** 

Have you seen the "Australian Curriculum Learning List"? It's a really cool list of everything that children in Australia are entitled to learn! One of the really important things on the list is learning how to be "financially capable". Do you know much about this concept? Do you think you are financially capable?

This challenge will help you explore more!



**CHOOSE ONE OF THESE CHALLENGES TO EXPLORE...** 

1) What are all the **financial decisions** that people have to make in each of these age ranges:

0-5	6-12	12-17	18-25	25-40
40-67	Over 67			

Represent your findings. What surprised you? What age has the most important financial decisions to make? Tell us your theory and why.

2) One of the other things the Government Financial Capability Strategy says is that to be successful with money we have to know about **the difference between "a want" and "a need".** We would like you to show us what you understand about these two ideas and why you think they might be important. We would also like you to check out what other people think about these two concepts and compare them to your thinking. Your challenge is to complete this investigation by creating a game that would help other children learn about the difference between a need and a want (send us a photo of your game and how it works). Make sure you tell us what age range your game is targeted at!

EMAIL YOUR LEARNING EVIDENCE TO <u>primarymathsPD@bigpond.com</u> with the following details: Site Name, Learners Names, Year Level DUE BY 5pm on Monday 16<sup>th</sup> October (Week 2)