

# DOCUMENTING MY MATHEMATICS CHALLENGE LEARNING IN 2023!

Why do you want to jump on board with the 2023 Mathematics Challenge?

Are you going to choose to take the challenge of a Set Investigation or your own inquiry? Why?

What's the title of your investigation? Why did you choose this particular one?

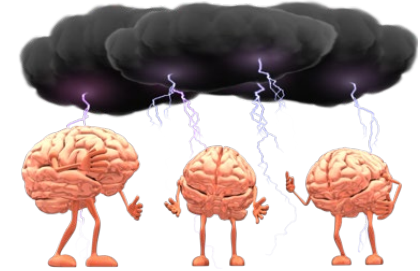
Are you doing this investigation on your own or with other learners?

Which adults are supporting you with this learning?



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Brainstorm the learning steps you think you will need to take for this investigation. You could document it as a mindmap, a list or any other way that helps you capture your thoughts.



Share them with an adult and get their feedback. Consider and act on their feedback and make any adjustments to your plan.

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**What mathematics do you already know that will help you with the various steps you have identified?**



**What mathematics will you need that you don't know yet? Where, how or who do you think you could access this learning from?**




**How are you going to collect your learning evidence as you go?**

You need to have learning evidence that will show what you did and what you found. It could be videos, photos, paper evidence, learning samples, notes, working outs, data collections and data displays – anything that tells the story of your learning!

Most learners say it helps them to think about what they will collect at the beginning AND where they will stick it, so they can keep all their fantastic learning in one place!

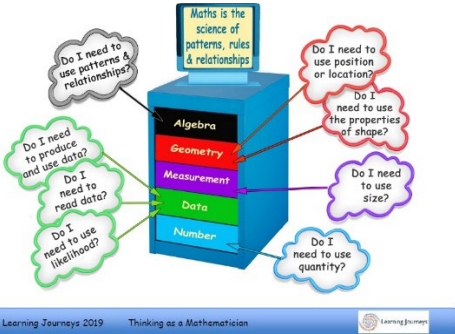



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<b>LEARNING JOURNAL</b>			<b>Fill in one row after each Challenge investigation session...</b>
<b>Date</b>	<b>What did you do?</b>	<b>How long did you spend?</b>	<b>What do you need to continue with in your next learning time?</b>

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## CHALLENGE LEARNING REFLECTIONS...

MATHEMATICAL REFLECTIONS	
<p>What mathematics did you learn by undertaking this investigation? How, where or who did you learn it from?</p>	 
<p>Why did this mathematics matter? What did it help you do?</p>	

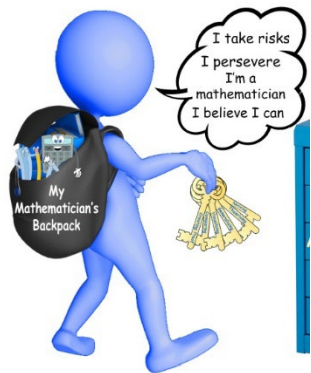
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**What mathematical questions  
do you have now?**

**What are you wondering?**



**How have you changed or  
developed as a mathematician  
by undertaking this  
investigation?**



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## REFLECTIONS ON YOUR LEARNING

What learning strategies worked well for you during this investigation? Why?



What challenges or difficulties did you face? How did you deal with them?



If you were doing this investigation again (or something similar) would you do anything differently?

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## INVESTIGATION CONCLUSIONS

So what did you find out? What were the results or the findings of your investigation?



Can you make any generalisations?

Is there anything you learnt that you could apply and use in other mathematical situations?

**Remember maths is cool –**

because usually if you know one thing it will help you also know and do other things!



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So what? Why did your investigation matter to you, to others or to the community?



## ACKNOWLEDGEMENTS

Is there anyone who helped you with your investigation that you need to acknowledge?



Any references/ resources you used?