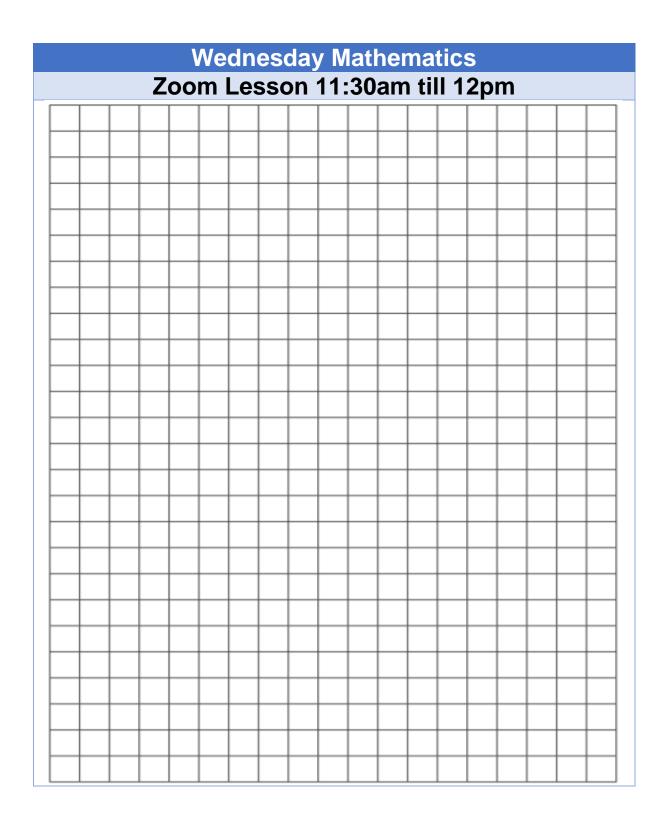
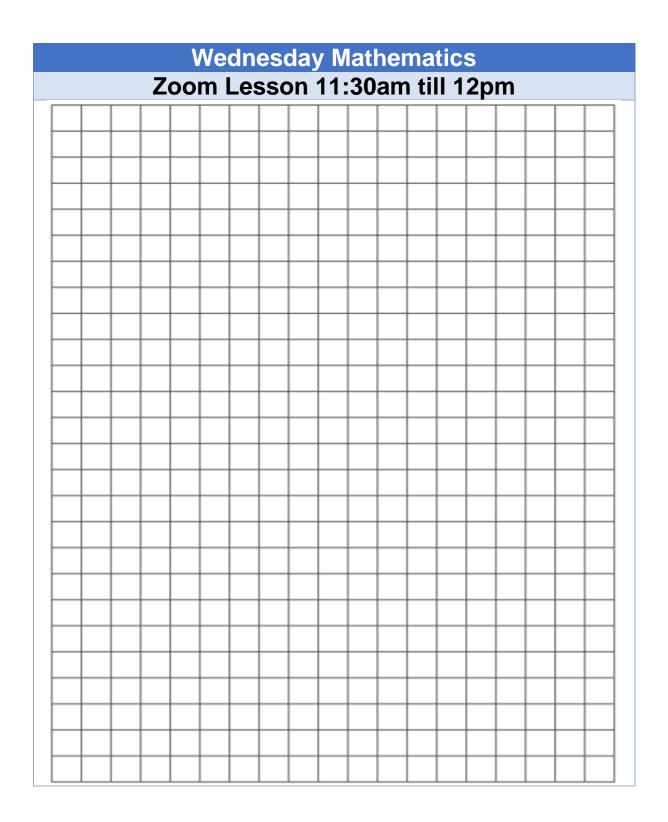
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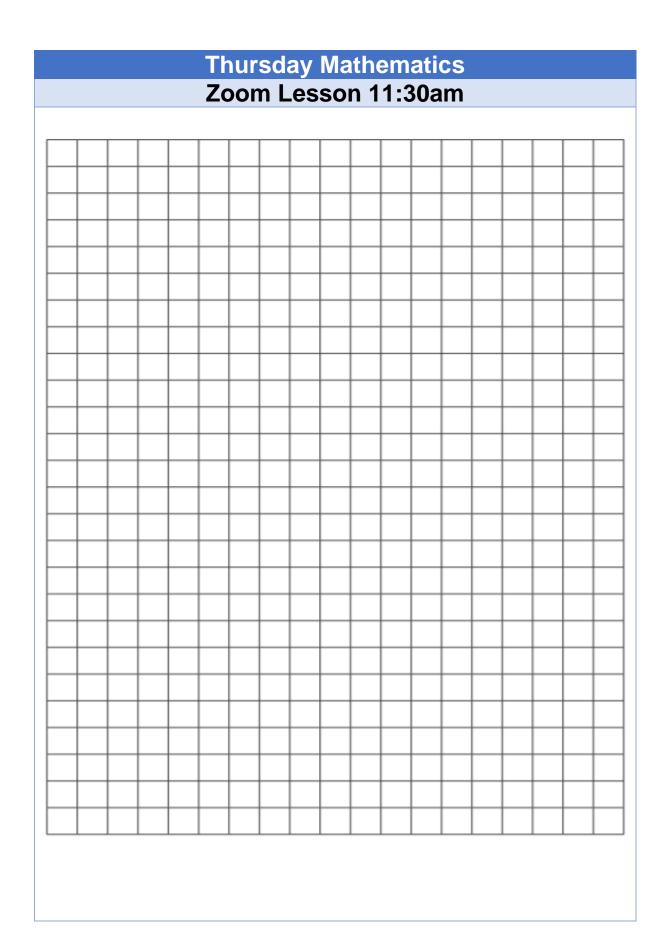
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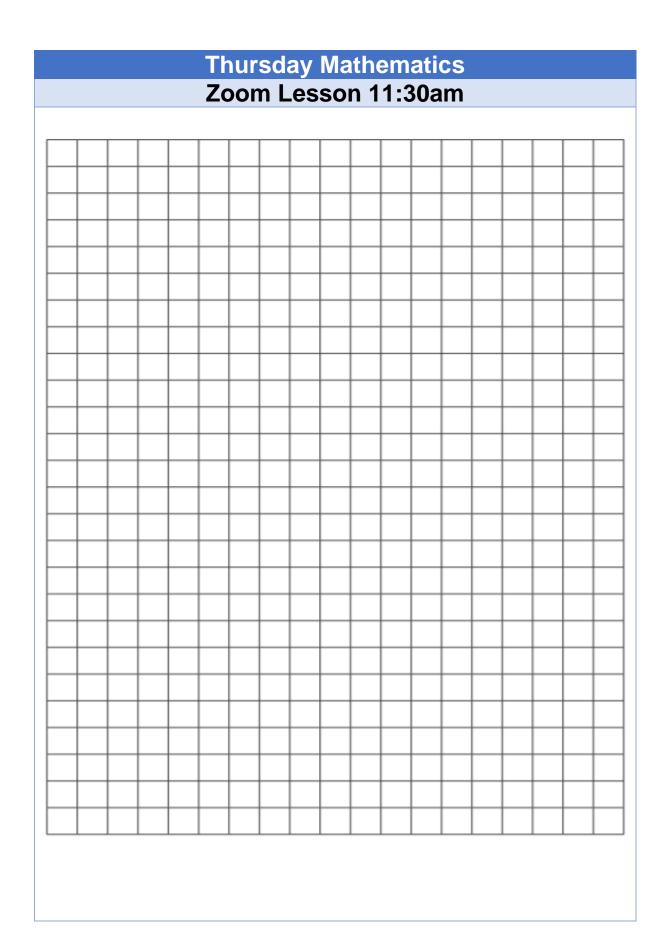
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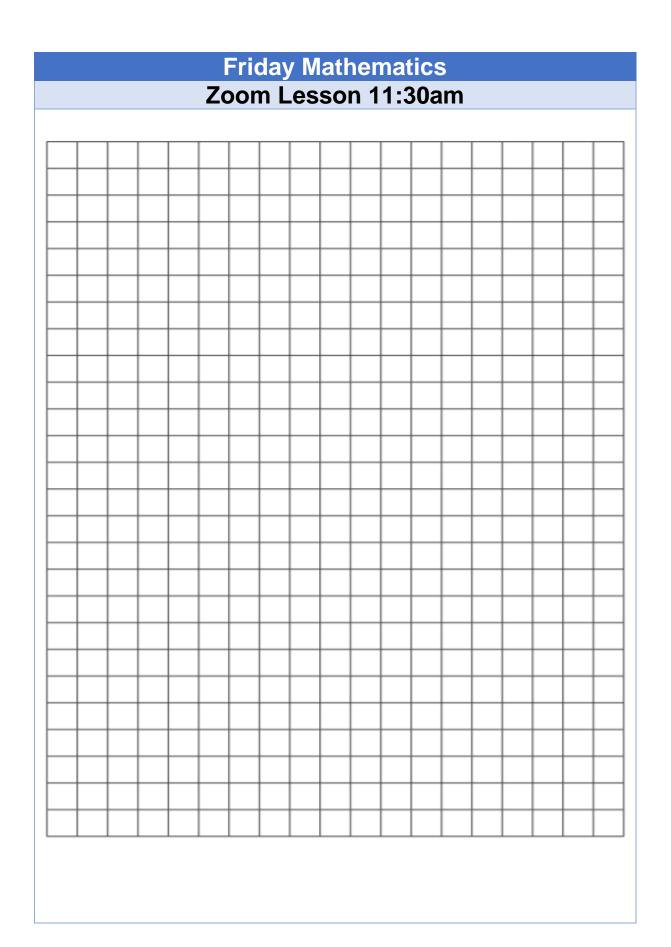
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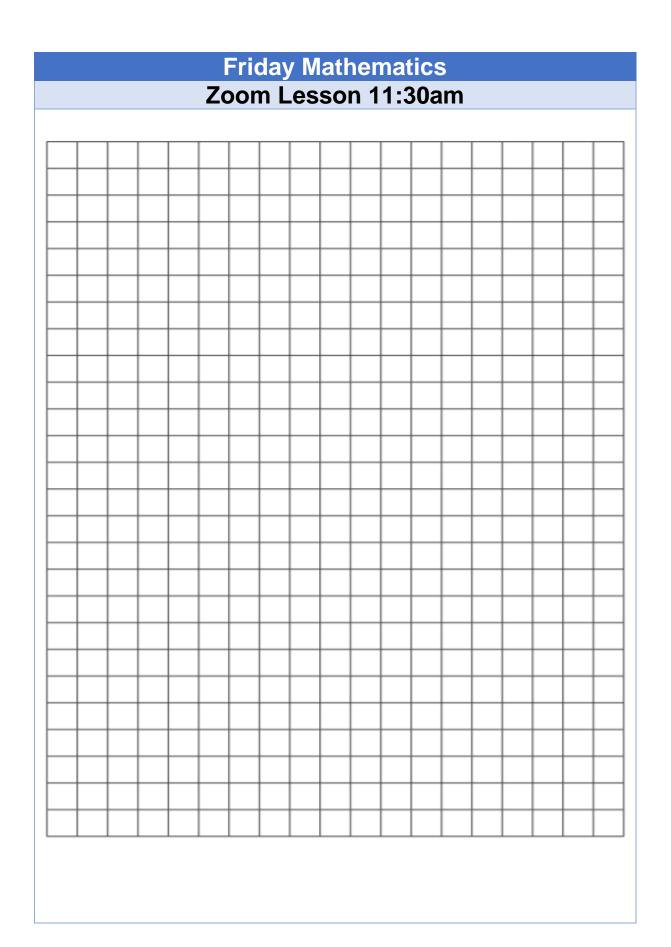






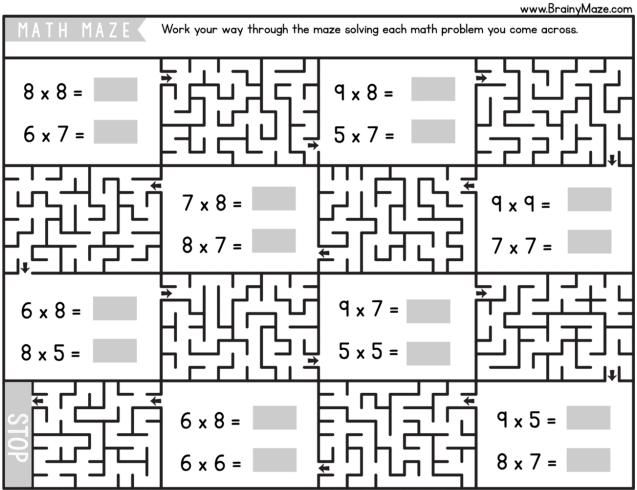






Fun Maths!

Have fun testing your multiplication and division skills by attempting to find your way out of the mazes. These activities can be completed any time during the week 😳



Images (c) Hidsey's Clipart

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Challenge: Andy's Marbles

Andy and his friend Sam were walking along the road together. Andy had a big bag of marbles.



Unfortunately the bottom of the bag split and all the marbles spilled out. Poor Andy!



One third $(\frac{1}{3})$ of the marbles rolled down the slope too quickly for Andy to pick them up. One sixth $(\frac{1}{6})$ of all the marbles disappeared into the rainwater drain.

Andy and Sam picked up all they could but half $(\frac{1}{2})$ of the marbles that remained nearby were picked up by other children who ran off with them.

Andy counted all the marbles he and Sam had rescued.



He gave one third $(\frac{1}{3})$ of these to Sam for helping him pick them up. Andy put his remaining marbles into his pocket. There were 14 of them.

How many marbles were there in Andy's bag before the bottom split?

What fraction of the total number that had been in the bag had he lost or given away?



AFL SIMULATION



Players: 2 players

Equipment:

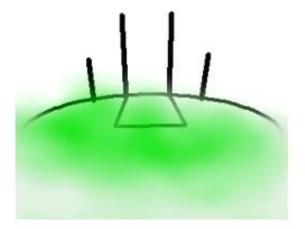
A standard 6 sided dice, scoresheet

Play:

- 1. Pick an AFL team to play for and write it on the scoresheet.
- Take turns to roll the die twice. First roll shows goals for that quarter. Second roll shows behinds for that quarter. Then calculate the points, by multiplying the goals by six and adding behinds.
- 3. Play a total of six games.

Extensions:

- 1. Gather enough class data for a whole season.
- Compare your data with the data of a real AFL season. For example use stem and leaf plots, and/or box plots.
- 3. Would using an 8 sided or 10 sided die give a better result?



Team:				Team:			
	Goals	Behinds	Points		Goals	Behinds	Points
1 st Qtr				1 st Qtr			
2 nd Qtr				2 nd Qtr			
3 rd Qtr				3 ^{ro} Qtr			
4 ^m Qtr				4 th Qtr			
Total Score				Total Score			

Team:				Team:			
	Goals	Behinds	Points		Goals	Behinds	Points
1 st Qtr				1 st Qtr			
2 nd Qtr				2 nd Qtr			
3 rd Qtr				3 rd Qtr			
4 th Qtr				4 th Qtr			
Total Score				Total Score			

Team:				Team:			
	Goals	Behinds	Points		Goals	Behinds	Points
1 st Qtr				1 st Qtr			
2 nd Qtr				2 nd Qtr			
3 ^{ra} Qtr				3 rd Qtr			
4 [™] Qtr				4 ^m Qtr			
Total Score				Total Score			

Team:				Team:			
	Goals	Behinds	Points		Goals	Behinds	Points
1 st Qtr				1 st Qtr			
2 nd Qtr				2 nd Qtr			
3 ^{ro} Qtr				3 ^{ro} Qtr			
4 th Qtr				4 th Qtr			
Total Score				Total Score			

Team:				Team:			
	Goals	Behinds	Points		Goals	Behinds	Points
1 st Qtr				1 st Qtr			
2 ^{no} Qtr				2 nd Qtr			
3 rd Qtr				3 rd Qtr			
4 ^m Qtr				4 th Qtr			
Total Score				Total Score			

Team:				Team:			
	Goals	Behinds	Points		Goals	Behinds	Points
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2 nd Qtr				2 nd Qtr			
3 ^{re} Qtr				3 ^{ro} Qtr			
4 th Qtr				4 th Qtr			
Total Score				Total Score			