

Warm Up:

Design a chocolate block that is 24cm²

- Tell students that the RMPS fair committee is going to make an RMPS chocolate block to sell at the fair and use for the 'Lob-A-Choc' game.
- They have opened it up to kids to design it.
- They have decided that they want the block to be 30cm²
- The students then design the block in their books (can be any shape - does not have to be a rectangle)
- Some student's can use their maths books (with 1cm² grids). But I will challenge some of the extension kids to use plain paper and a ruler

Task:

Which Book?

- Lay lots of books out on the floor
- Tell the kids that one of the books is **??tiles square** in area
- Their challenge is to find the book that I am talking about
- Give all students access to the tiles
- As the students are working it out, take note of who is covering the whole book and who is just measuring the length and the width
- Maybe challenge some as I am wandering around by limiting the number of tiles that they can use
- Keep note of who used which strategy so that they can be selected to share during the reflection time

Extension: (Explain task to these kids for 5 mins as the others begin their task)

Mrs. Pickburn Challenge

- When Marg returned from Japan, she set a challenge to the kids at assembly. She told the kids that she found out that for every square kilometer, there are 336 people in Japan (population density).
- She challenged them to use trundle wheels to calculate the area of our school and work out, if our school was in Japan, how many people would be inside the school
- I will show the kids an aerial map of our school on Google Maps and ask them what they think the problem might be (the school is not a perfect rectangle - so we will have to give a rough estimate of area)
- These guys can go out with the trundle wheels and do their measurements and then come back and do their calculations
- Can continue next lesson if they need

Reflection:

- Sharing of the students' different strategies to find the area

From Tash at Roberts McCubbin Primary School, Grades 3/4.