

Tiling teaser

Rounding might help you to decide.



- 1 Mr Brodie thinks that both classrooms and the hall can be tiled using fewer than 2000 tiles. Do you think he is right?
- 2 Find the number of tiles needed for each room, and then the total to see if Mr Brodie is right.

Classroom 1	Classroom 2	The hall	TOTAL																
24 by 28 tiles	23 by 26 tiles	46 by 37 tiles																	
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2 times 20 is 40, so 20 times 20 is..?

Division workout

3 3 | 4 6 8

5 4 | 9 5 8

7 7 | 3 9 2

9 8 | 5 1 5

4 5 | 7 3 5

6 6 | 9 2 5

8 5 | 3 4 5

10 6 | 4 9 7

Remainder challenge!

- 11 How many numbers between 450 and 460 will leave a remainder when divided by all of 3, 4, 5, 6, 7 and 8?

I found this:



Easy



Challenging



I needed help