

RAM Maths Circle

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In this session, the facilitators challenged the students with the following problems.

Questions

- There is a pair a rabbit with a special condition, they reproduce another pair after two months and then after every one month. Every new pair reproduces after two month, while the old ones after every month. If there is only one new pair in the month of January, then how many rabbits will there be in the month of December?
- Consider a 2×1 brick. In how many ways can a 2×2 , $3 \times 3, \dots, 12 \times 12$ wall be made using the same brick? Is there any relation between the walls?

