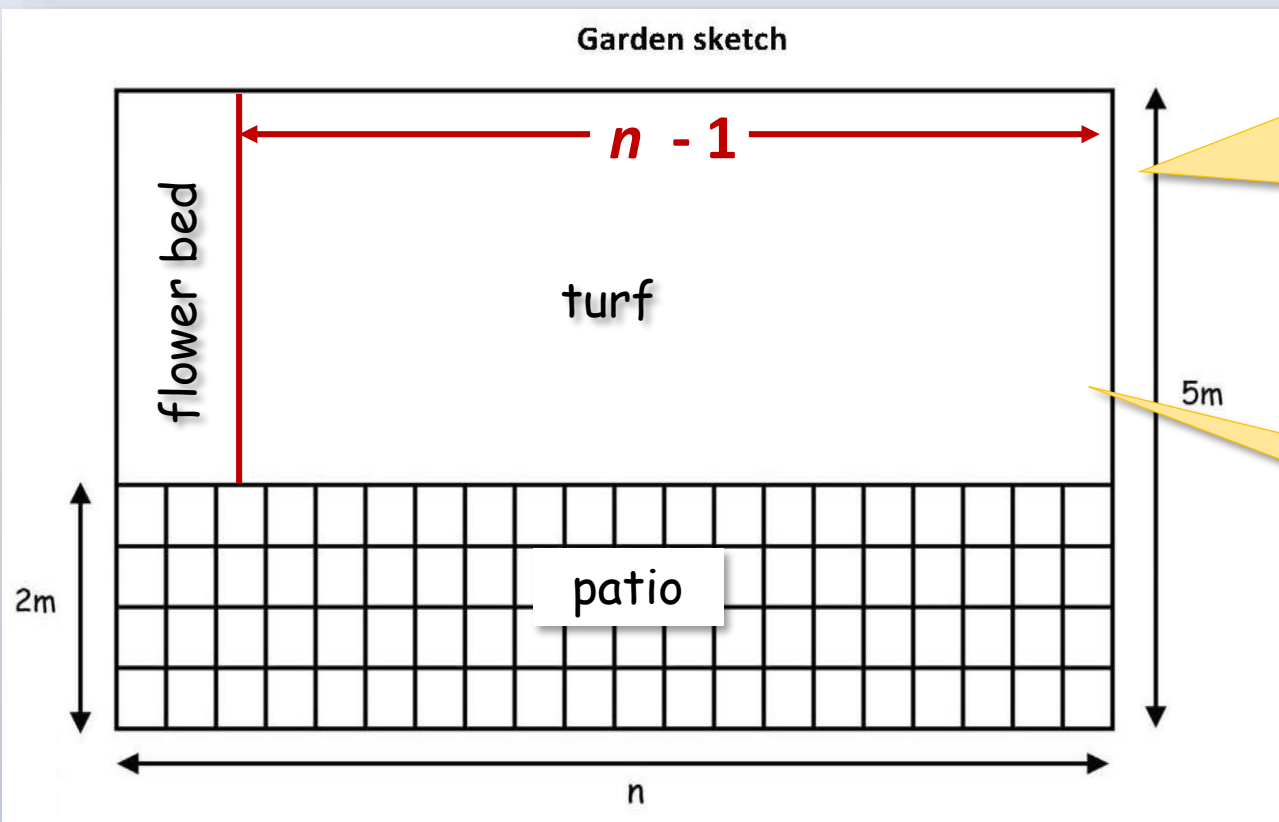


A company is building houses on different plots. The back gardens are 5m long, but they will be different widths. Each will have a patio area, measuring the width of the plot by 2m deep. The rest of the garden will be turfed.

What is the **area** of the patio?

Write a formula for the area of the turf.

$3n$ square metres or $3n \text{ m}^2$



They have decided to leave a 1m border along one side of the turf for a flowerbed.
So what is the turf width now?

So, what is the turf area now?

$3 \times (n - 1)$ square metres
or $3(n - 1) m^2$

What would be the area of the turf if they left a border of 1m along *each side*?

3 times $(n - 2)$ square metres
or $3(n - 2) m^2$