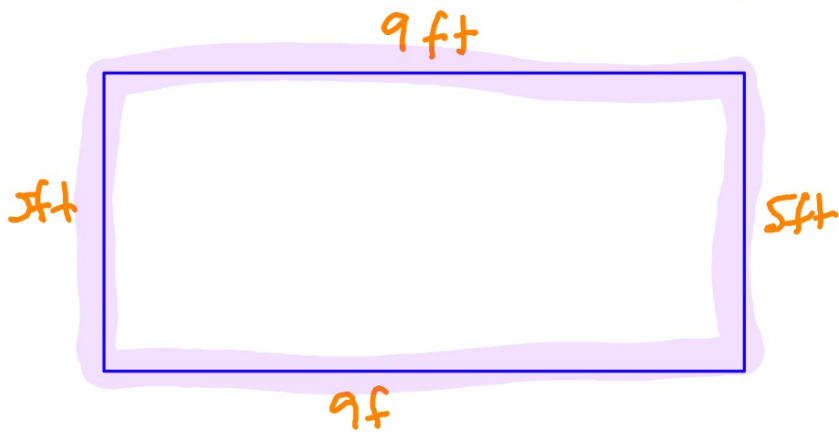


Area Strat #2 - Formula

Connect

Parking Spot for Dr D's car



$$P = l + w + l + w$$

$$P = l \times 2 + w \times 2$$

I do

$$A = l \times w$$

Parking Spot for Dr D's car

9ft

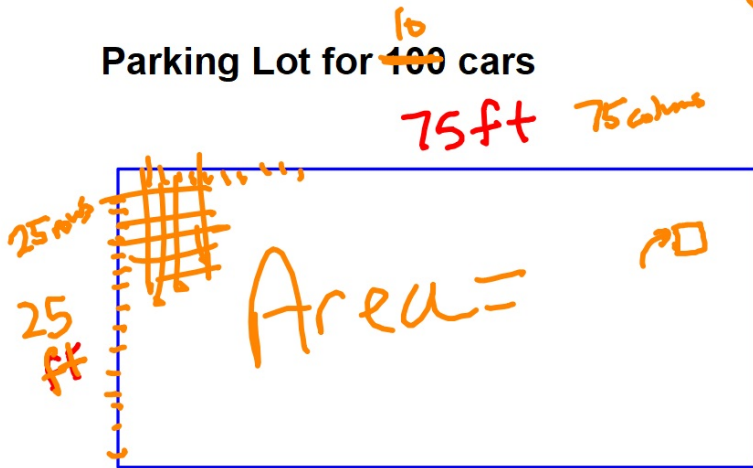


45 square feet

Array 9x5

I do

Parking Lot for ~~100~~ cars



array = $\underline{\underline{25 \times 75}}$

$A = l \times w$

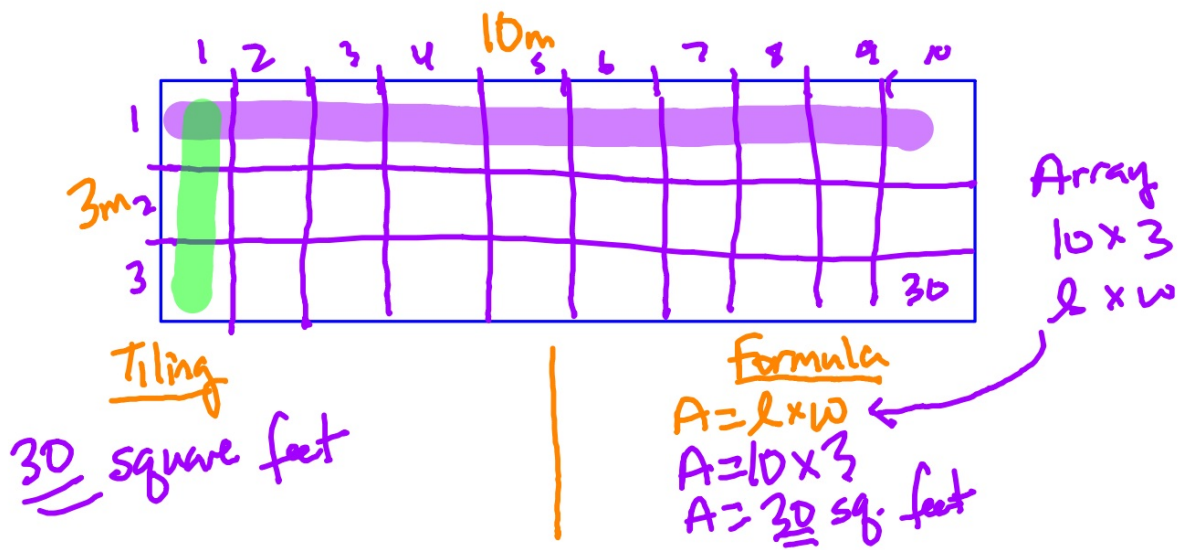
$A = 75 \times 25$

$A = 1,875$ square feet

		20	+	5	
70	400	350			1400
					350
					100
5	100	25			25
					<hr/>
					1,875

We do

rectangular garden

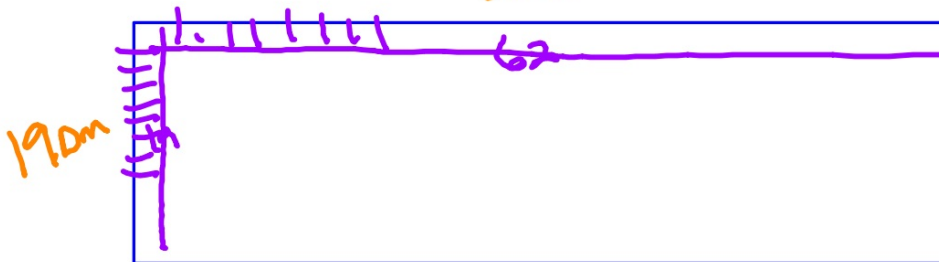


We do

farm
rectangular garden

	60 + 2	
10	600	20
+		
9	540	18
		600
		+ 540
		+ 20
		+ 18
		<hr/>
		1178

62 dm



If you tiled...
array 62×19
 $l \times w$

$A = l \times w$

$A = 62 \times 19$

$A = \underline{1178}$ square Decimeters

Area
Formula

$$A = l \times w$$

Perimeter
Formulas

$$P = l + w + l + w$$

$$P = l \times 2 + w \times 2$$

**You do together
on whiteboard**

A new dog park is being built. The area they are fencing off for the park is 27 decameters long and 34 decameters wide.

Draw the rectangle, and show how to calculate the area using the formula for area

**You do alone on
index card**

The index card you are doing this problem on is often called a "3x5 card" because it is 3 inches tall and 5 inches wide.

In millimeters, it is about 75 mm tall and 125mm wide.

Show how to find the area of your index card in square mm using the formula for area

$$125 \times 75$$

Area Model

	100	20	5	
70	7000	1400	350	7000 1400 350
5	500	100	25	500 100 25
				<hr/> 9375

Partial Products

$$\begin{array}{r} 125 \\ \times 75 \\ \hline \end{array}$$

$$A = l \times w$$

5x5
5x20
5x100
70x5
70x20
70x100