Building beehives:

Objective definition:

1. Firstly, I will take constants which are WIDTH_AND_HEIGHT = 12 * 24 COST_OF_EACH_WOOD = 24.99 BORDER_HEIGHT = 6 SIDES PER HEXAGON = 6

- 2. I will put user input of side_length & num_of_hexagons
- 3. Then I will Calculate the area of hexagon from the formula below hexagon_area = (3 * (3**1/2) / 2) * (side_length ** 2)
- 4. Then I will calculate the needed sheets & cost of wood
- 5. For the extension I will calculate the border area with the following formulas

border_area_per_hexagon = BORDER_HEIGHT *
SIDES_PER_HEXAGON
total_border_area = border_area_per_hexagon * num_of_hexagons

border_sheets_needed = total_border_area / WIDTH_AND_HEIGHT border_cost = border_sheets_needed * COST_OF_EACH_WOOD