

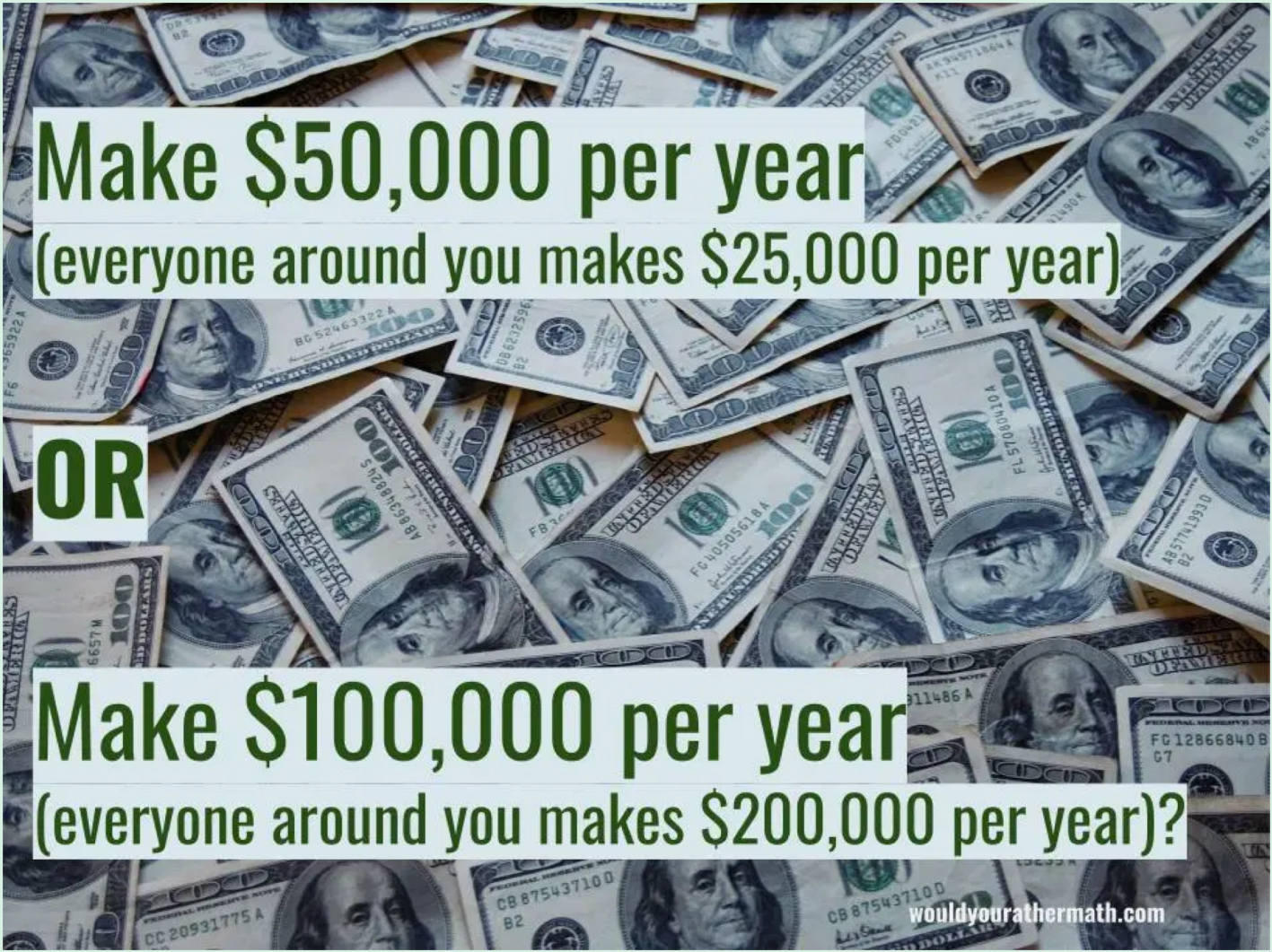


# Salary Project



Part 1





**Make \$50,000 per year**  
(everyone around you makes \$25,000 per year)

**OR**

**Make \$100,000 per year**  
(everyone around you makes \$200,000 per year)?

You were offered a new job and they are giving you 4 choices for your salary. Which do you pick?

- **Option 1** - \$100 000/year
- **Option 2** - \$75 000/year with an initial starting bonus of \$150 000
- **Option 3** - \$45 000 with a 5% yearly raise
- **Option 4** - A one time payment of \$1 000 000

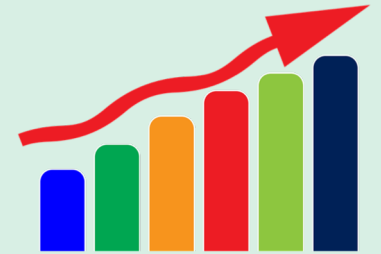
# Let's talk about %

- What does a 5% raise each year mean? Is it the same each year?
- How do we calculate the raise?

# Things to Consider

- Does your answer change over time? How?
- How can you use graphs to justify your choice?
- Can you create equations to represent each option?

# Requirements



1. Create an equation and table of values for each option
2. Create a graph for each option
  - a. Let's discuss - should we show this as 4 separate graphs or 1 graph?
3. Determine a "maximum" value
  - a. Is there a point when one option becomes unbeatable?
4. Show a sample calculation for each option in terms of the maximum value
5. Write a justification for which salary you would choose and why