

Linear vs. Exponential

1) Determine if each situation is LINEAR or EXPONENTIAL and explain your answer.

- The price of a gym membership is \$25, then an additional \$15 per month.

linear, same ~~rate~~^{number} each ~~month~~

- The eagle population has increased by 50% each year since being on the endangered species list.

exponential, same percent each year

- Amazon has increased sales by 15% each year since it has started.

exponential, same percent each year

- A bookstore has increased the number of books it has by 50 each month.

linear, same number each month