

Scatter Plots & Constant Rates of Change

Below is a chart explaining the amount of money earned based on the number of hours worked:

hours worked	money earned
1	8
2	16
3	24
4	32

- ① is the relationship linear?
- ② find the constant rate of change.

Below is a chart explaining the amount of money earned based on the number of cars sold:

# cars sold	money earned (in hundreds)
1	2
2	3
3	5
4	6
5	8

- ① what is the correlation?
- ② is the relationship linear?
- ③ find the constant rate of change.

Answers:

- ① yes ② \$ 8 per ~~hour~~ hour
① positive ② no → pts do not lie ^{on} straight line
③ not possible because relationship is not linear