

Lesson 6-4 → Interpreting Scatter Plots with $y = mx + b$

A science teacher looks at a bunch of data and concludes that total % correct on a test, y , and minutes studying, x , follows the trend line:

$$y = \frac{3}{5}x + 40$$

Total
%
correct

↑

minutes
studying

↑

Morals!

- ① Positive slope means studying increases your score (generally)
- ② y -intercept of 40 means studying 0 minutes will likely result in a score of 40
- ③ Slope of $\frac{3}{5}$ means your score increases by 3 points for every 5 minutes studying (generally)