

Name:

ANSWERS!

Class:



Communication



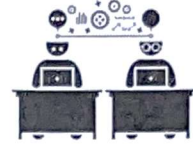
Successful Partnership



Encouragement



Solving Problem Together



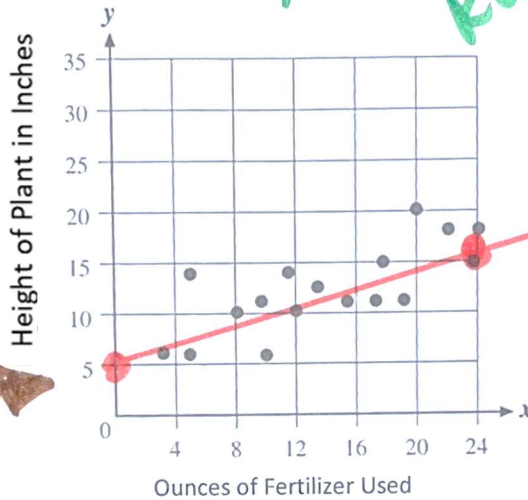
Collaboration

Question 01

$y = mx + b$

$b = 5$   
y-intercept

$m = \frac{\Delta y}{\Delta x} \approx \frac{10}{24} \approx 0.4$



slope is positive

Part A Which of the below is the best equation for the line of best fit?

(a)  $y = -4x + 5$

(b)  $y = 0.4x + 5$

(c)  $y = -0.4x + 5$

(d)  $y = 4x + 5$

Part B What is the meaning of the slope in this context?

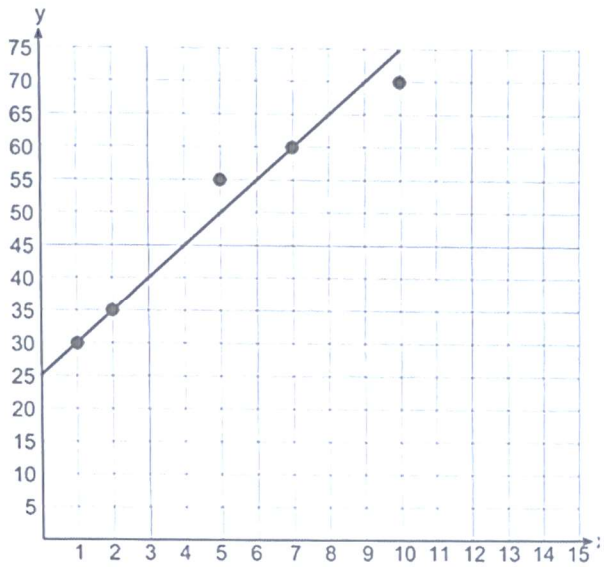
for every 1 ounce of added fertilizer, the plant is expected to grow 0.4 inches

Part C What is the meaning of the y-intercept in this context?

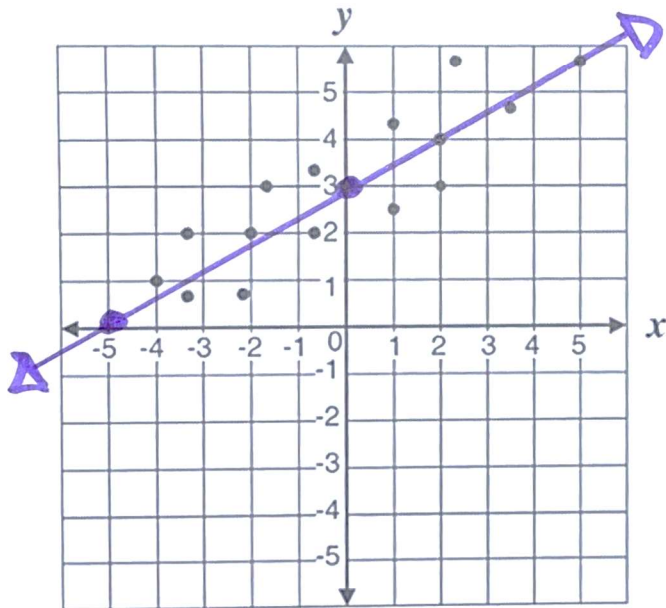
the plant starts at 5 inches before any fertilizer is used

Question 02

Write equations for the line of best fit for each of the following.



$$y = 5x + 25$$



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