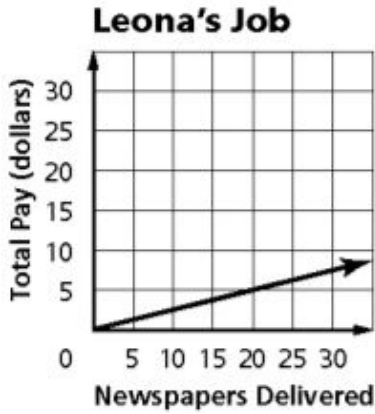


**LT 12 Practice:** I can interpret a linear function in multiple representations

1. The graph below shows the number of newspapers delivered and total pay for Leona's newspaper delivery job.



What is the slope?

What does the slope of this graph represent?

What is the y-intercept?

What does the y-intercept of this graph represent?

2. Dionne pays a fixed fee plus an hourly rate to rent a boat. The table shows how much Dionne paid for the boat.

Dionne's Boat Rental					
Hours Rented	1	2	3	4	5
Amount Paid	\$27	\$39	\$51	\$63	\$75

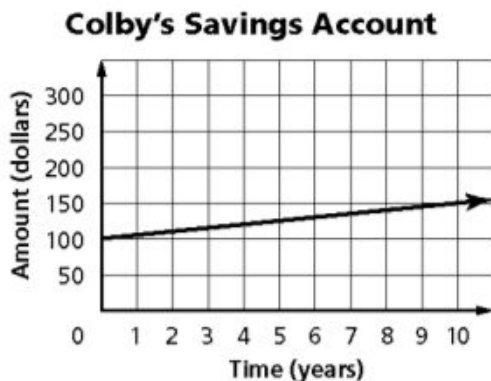
What is the slope?

What does the slope represent?

What is the y-intercept?

What does the y-intercept represent?

3. Colby put \$100 in a savings account. The graph below shows how the amount in the account would increase over the next ten years.



What is the slope?

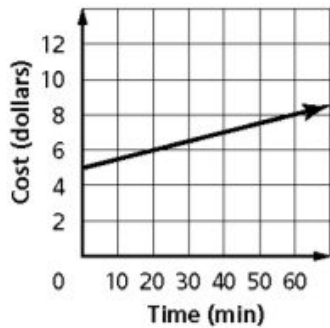
What does the slope of this graph represent?

What is the y-intercept?

What does the y-intercept of this graph represent?

4. Tara pays a base rate for her long distance phone service plus a per-minute charge. The graph below shows what she would pay for her long distance phone service for the first 60 minutes.

**Long Distance Service**



What is the slope?

What does the slope of this graph represent?

What is the y-intercept?

What does the y-intercept of this graph represent?

5. Rich is a member of a gym. He pays a monthly fee plus a per-visit fee. The equation below represents the monthly amount Rich pays for his membership to the gym per month for  $x$  visits.

$$y = 3x + 10$$

What is the slope?

What is the y-intercept?

What does the slope represent?

What does the y-intercept represent?

6. Nan works as a commissioned sale rep. She makes a weekly base salary plus a commission for each sale she makes. The table below shows how much Nan can make.

Nan's Weekly Salary					
Sales Made	1	2	3	4	5
Salary	\$250	\$300	\$350	\$400	\$450

What is Nan's base salary?

How much does she make per sale?

7. Charlie rented a moving truck. He paid a daily fee plus a per-mile fee to rent the truck. The equation below represents the daily amount Charlie paid for the truck if he drives it  $x$  miles.

$$y = 0.5x + 10$$

What is the slope?

What is the y-intercept?

What does the slope represent?

What does the y-intercept represent?