

Name:

ANSWERS!

Class:



Communication



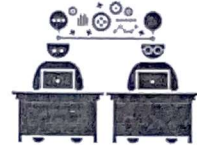
Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

Alisha's Painting charges a one-time fee and an hourly fee. The table shows the total cost for jobs that take different numbers of hours to complete.

Time (Hours)	Total Cost (Dollars)
2	300
4	350
6	400
8	450

+2
+2
+2

+50
+50
+50

What is Alisha's Painting's hourly fee?

$$\frac{\text{Change in \$}}{\text{Change in hours}} = \frac{50}{2} = \$25 \text{ per hour}$$

Question 02

Bernadette's Painting charges a one-time fee and an hourly fee. The equation $y=75x+100$ represents the total cost in dollars, y , and the amount of time in hours, x .

What is Bernadette's Painting's hourly fee?

$\$75 \text{ per hour}$

$y = mx + b$
 m is what happens again and again

W 1-8

Question 03

Cassandra's Sandwich Catering charges a one-time delivery fee and a per sandwich fee. The table shows the total cost for jobs that serve different numbers of sandwiches.

Sandwiches Served	Total Cost (Dollars)
5	45
10	65
15	85
20	105

Handwritten notes: $\$45$, $+5$, $+5$, $+5$

Handwritten notes: $+20$, $+20$, $+20$

What is Cassandra's fee per sandwich?

Handwritten solution: $\frac{\text{change in } \$}{\text{change in Sandwiches}} = \frac{20}{5} = \4 per sandwich

Question 04

Daniel's Sandwich Catering charges a one-time delivery fee and a per sandwich fee. The equation $y=6x+15$ represents the total cost in dollars, y , and the amount of sandwiches ordered, x .

What is Daniel's fee per sandwich?

Handwritten solution: $\$6 \text{ per sandwich}$

Question 05

Erick is saving money in his bank account. Erick opened his account with a certain amount, and adds a constant amount to his savings every month. The table shows the total in his account after a different numbers of months.

Months Since Account Was Opened	Total in Account (Dollars)
3	350
6	500
9	650
12	800

Handwritten notes: $\$350$, $+3$, $+3$, $+3$

Handwritten notes: $+150$, $+150$, $+150$

How much does Erick add to his savings account every month?

Handwritten solution: $\frac{\text{change in } \$}{\text{change in Months}} = \frac{150}{3} = \50 per month