

Day 2 – Slope from a Table - Practice

2. Calculate the slope/rate of change from the table. Then calculate a "unit" rate of change and interpret its meaning if needed.

A. $\frac{\Delta y}{\Delta x} = \frac{-36}{2} = -18$

x	y
-3	54
1	-18
3	-54
7	-126

Handwritten annotations: A bracket from x=1 to x=3 is labeled '2'. A bracket from y=-18 to y=-54 is labeled '-36'.

B. $\frac{\Delta y}{\Delta x} = \frac{21}{3} = 7$

x	y
2	14
5	35
7	49
10	70

Handwritten annotations: A bracket from x=2 to x=5 is labeled '+3'. A bracket from y=14 to y=35 is labeled '+21'.

C. $\frac{\Delta y}{\Delta x} = \frac{\$1.6}{2} = \$0.80$ 3 per balloon

Number of Balloons	Total Cost of Balloons (in Dollars)
2	6
4	12
6	18
8	24

Handwritten annotations: A bracket from x=2 to x=4 is labeled '+2'. A bracket from y=6 to y=12 is labeled '+6'.

D. $\frac{\Delta y}{\Delta x} = \frac{195 \text{ miles}}{3 \text{ hours}} = 65 \text{ miles per hour}$

Number of Hours	Total Number of Miles Traveled
2	130
5	325
8	520
11	715

Handwritten annotations: A bracket from x=2 to x=5 is labeled '+3'. A bracket from y=130 to y=325 is labeled '+195'.

E. $\frac{\Delta y}{\Delta x} = \frac{\$2}{10 \text{ photos}} = \0.20 per photo

Number of Photos Printed	Total Cost of Photos (in Dollars)
10	2
20	4
30	6
40	8

Handwritten annotations: A bracket from x=10 to x=20 is labeled '+10'. A bracket from y=2 to y=4 is labeled '+2'.

F. $\frac{\Delta y}{\Delta x} = \3.25 per card

Number of Greeting Cards	Total Cost of Greeting Cards (in Dollars)
2	6.50
3	9.75
6	19.50
8	26.00

Handwritten annotations: A bracket from x=2 to x=3 is labeled '+1'. A bracket from y=6.50 to y=9.75 is labeled '+3.25'.