

3-2 Worksheet - Finding Slope from a Table or From 2 Points

Use the informal method to determine the rate of change for the data in each table. The rate of change is constant for the data in each table. Write the rate as a unit rate.

1.

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

2.

Number of Lawns	Total Earned (in Dollars)
3	25.50
5	42.50
7	59.50
9	76.50

Use the formula $\frac{y_2 - y_1}{x_2 - x_1}$ to calculate the unit rate of change for the data in each table. The rate of change is constant for the data in each table.

3.

Number of Raffle Tickets	Total Cost of Raffle Tickets (in Dollars)
2	1
4	2
8	4
10	5

4.

x	y
-2	8
0	0
2	-8
4	-16

Use the formula $\frac{y_2 - y_1}{x_2 - x_1}$ to calculate the unit rate of change for the data in each table. The rate of change is constant for the data in each table.

5.

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

6.

x	y
3	27
5	45
7	63
9	81

Calculate the rate of change between the points listed in each table. Determine if the table represents a linear relationship.

7.

x	y
2	14
5	35
7	49
10	70

8.

x	y
-10	50
-2	10
4	-20
14	-70

9.

x	y
-1	-24
2	48
4	90
8	192

10.

x	y
-6	12
-3	6
3	-6
6	-10