

Module 5 Lesson 1

Share 1 – 3 Possible Solutions

One solution could involve expressing each situation as a table.

1. Since the increase in each column is constant, the relation is linear.

Number of Songs Downloaded	Cost of Songs (\$)
0	0
1	1.29
2	2.58
3	3.87

2. The difference between consecutive numbers in the first column is constant. The increase in the second column is not. Therefore, the relation is non-linear.

Time (years)	Value of Investment (\$)
0	200
1	$200 \times 1.1 = 210$
2	$210 \times 1.1 = 231$
3	$231 \times 1.1 = 254.10$

3. The increase in the first column is 50 people each time. The increase in the second column is \$1250 each time. Since the increase in each column is constant, the relation is linear.

Number of People	Cost (\$)
0	500
50	1750
100	3000
150	4250