Variables and Patterns #3   Teacher Notes and Answer Key

Possible Directions to Student: Match the trip notes, equation, table, and graph that represent the same information.
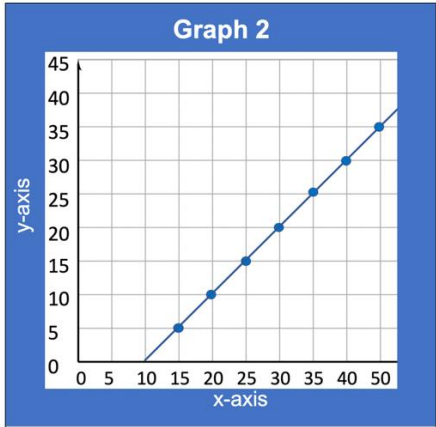
Answer Key:

Graph 2

Table 4

x	y
0	-10
10	0
20	10
30	20
40	30
50	40
60	50
70	60

Note 1
On Food Bank collection day, HOMES Park discounts an admission $10. How would much would admission cost?

Equation 3
y = x −10

Graph 1

Table 2

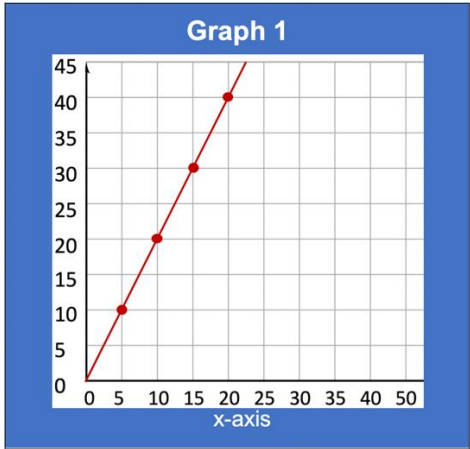| x	y
0	0
1	2
2	4
3	6
4	8
5	10
6	12
7	14

Note 2
HOMES Park charges $2 per banana. If each person eats one banana, how much would be spent on bananas?

Equation 4
y = 2x

Table 3

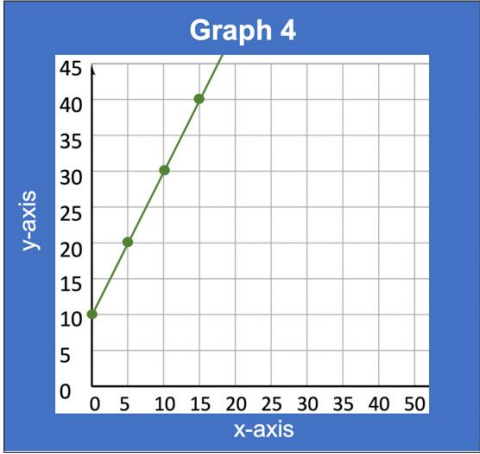| x	y
0	10
10	30
20	50
30	70
40	90
50	110
60	130
70	150

Graph 4

Note 3
HOMES Park charges $2 per banana and $10 for the container to carry them. How much would be spent on getting and carrying bananas for each person ?

Equation 1
y = 2x + 10

Table 1

x	y
0	20
10	30
20	40
30	50
40	60
50	70
60	80
70	90

Graph 3

Note 4
To rent a wagon to carry supplies, HOMES Park will charge an additional $20 to the total admission price. How much is the final cost?

Equation 2
y = x + 20