

Name:

Answers!

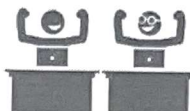
Class:



Communication



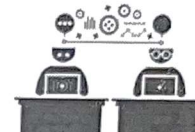
Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Question 01

You are deciding where to go for pizza.

Hannah's Pizza offers "all you can eat" pizza slices for a flat fee of \$17.

Izzy's Pizza charges \$1.50 for each slice after a one-time \$5 table fee.

Complete the Table

Number of Slices	Cost (\$) at Hannah's Pizza	Cost (\$) at Izzy's Pizza
0	17	5.00
1	17	6.50
2	17	8.00
3	17	9.50
4	17	11.00
5	17	12.50
6	17	14.00
7	17	15.50
8	17	17.00
9	17	18.50
10	17	20.00

$$\rightarrow y = 18$$

$$\rightarrow y = 1.5x + 5$$

Part 1. When will the two cost the same?

Slices: 8

Dollars: 17

Part 2. If you expect to eat 5 slices, which place offers the better deal?

Izzy's!

Part 3. If you expect to eat 10 slices, which place offers the better deal?

Hannah's!

Question 02

You are deciding where to go for ice cream.

Carla's Cones offers "all you can eat" ice cream for a flat fee of \$20.

Sammy's scoops charges \$3 for each scoop after a one-time \$8 table fee.

$$\rightarrow y = 20$$

$$\rightarrow y = 3x + 8$$

Complete the Table

Number of Scoops	Cost (\$) at Carla's Cones	Cost (\$) at Sammy's Scoops
0	20	8.00
1	20	11.00
2	20	14.00
3	20	17.00
4	20	20.00
5	20	23.00

Part 1. When will the two cost the same?

Scoops: 4

Dollars: 20

Part 2. If you expect to eat 7 scoops of ice cream, which place offers the better deal?

Carla's!

Question 03

Super Songs offers on demand music streaming for a flat fee of \$18 per month.

Music Mania offers music streaming for \$0.10 per song and a monthly charge of \$5.

$$0.1x + 5 = 18$$

$$-5 \quad -5$$

$$0.1x = 13$$

$$\div 0.1 \quad \div 0.1$$

$$x = 130$$

$$SS \rightarrow y = 18$$

$$MM \rightarrow y = 0.1x + 5$$

How many songs at MM would equal 18 dollars?

Part 1. When will the two cost the same?

Songs: 130

Dollars: \$ 18

Part 2. If you streamed 50 songs per month, which service offers the better deal?

MM

Part 3. If you streamed 200 songs per month, which service offers the better deal?

SS