

Word Problem Intro

After lunch on the day of the math test, Mr. Victor took 12 students to Chipotle. Some students wanted a steak bowl, which cost \$8.50 each, and the others got chicken, which cost \$7.50 each. The total cost was \$97.00. (Mr. Victor did not eat) How many students got each kind of bowl?

Use x for the number of steak orders and y for the number of chicken orders.

1. Complete the table of costs below. (the first row is done as a hint)

x	y	cost for steak bowls	cost for chicken bowls	total cost
0	12	\$0.00	\$36.00	\$36.00
2	10			
4	8			
6	6			
8	4			
10	2			
12	0			

2. Complete the two equations modeling the situation, one adding up to 12 people, the other adding up to \$97.00.

$$x + y = \underline{\hspace{2cm}}$$

$$x \times \underline{\hspace{2cm}} + y \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

3. Circle the row in the table that has the correct total. Write down how many students wanted steak and chicken (x and y).

$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

4. Check your answer.