

Name:

Class:

Date:

Lesson 7.1 Relationship Between Two Variables

1. Sadie ordered a pizza and had it delivered. The delivery fee is \$3.50. The total cost c is equal to the cost of her pizza p plus \$3.50. The rule is $p + 3.50$. Complete the table using the rule to find the total cost if her pizza costs \$9.75, \$12.00, or \$14.50. (Example 1)

Input, Cost of Pizza (\$), p	Rule $p + 3.50$	Output, Total Cost (\$), c
9.75		
12.00		
14.50		

2. Joshua has a coupon for \$1.50 off his purchase at the souvenir shop. The total cost c is equal to the cost of his purchase p minus \$1.50. The rule is $p - 1.50$. Complete the table using the rule to find the total cost if his purchase is \$5.67, \$8.34, or \$11.97. (Example 1)

Input, Cost of Purchase (\$), p	Rule $p - 1.50$	Output, Total Cost (\$), c
5.67		
8.34		
11.97		

3. Miranda has a coupon for \$0.75 off any salad at a restaurant. The total cost c is equal to the cost of her salad s minus \$0.75. The rule is $s - 0.75$. Complete the table using the rule to find the total cost if her salad costs \$2.79, \$3.55, or \$4.25. (Example 1)

Input, Cost of Salad (\$), s	Rule $s - 0.75$	Output, Total Cost (\$), c
2.79		
3.55		
4.25		

4. Avery is buying material by the yard to make bags. The material costs \$4.98 per yard. The total cost c of y yards is equal to 4.98 times y . Complete the table to find the number of yards Avery purchased if the total cost is \$14.94, \$29.88, or \$44.82. (Example 2)

Input, Number of Yards, y	Rule $4.98y$	Output, Total Cost (\$), c
		14.94
		29.88
		44.82

5. Each pie at a bakery costs \$9.50. The total cost c of p pies is equal to 9.50 times p . Complete the table to find the number of pies purchased if the total cost is \$19.00, \$28.50, or \$47.50. (Example 2)

Input, Number of Pies, p	Rule $9.50p$	Output, Total Cost (\$), c
		19.00
		28.50
		47.50

6. **Table Item** Anthony is buying plants for his garden. Each plant costs \$0.95. The total cost c of p plants is equal to 0.95 times p . Complete the table to find the number of plants Anthony purchased if the total cost is \$7.60, \$11.40, or \$15.20.

Input, Number of Plants, p	Rule $0.95p$	Output, Total Cost (\$), c
		7.60
		11.40
		15.20