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

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