

Name _____

Equations and Tables



COMMON CORE STANDARD—6.EE.9

Represent and analyze quantitative relationships between dependent and independent variables.

Use the equation to complete the table.

1. $y = 6x$

Input	Output
x	y
2	12
5	30
8	48

2. $y = x - 7$

Input	Output
x	y
10	
15	
20	

3. $y = 3x + 4$

Input	Output
x	y
3	
4	
5	

Write an equation for the relationship shown in the table. Then find the unknown value in the table.

4.

x	2	3	4	5
y	16	?	32	40

5.

x	18	20	22	24
y	9	10	?	12

6.

x	8	10	12	14
y	13	15	17	?

7.

x	14	17	20	23
y	5	?	11	14

Problem Solving



8. Tickets to a play cost \$11 each. There is also a service charge of \$4 per order. Write an equation for the relationship that gives the total cost y in dollars for an order of x tickets.

9. Write an equation for the relationship shown in the table. Then use the equation to find the estimated number of shrimp in a 5-pound bag.

Weight of bag (pounds), x	1	2	3	4
Estimated number of shrimp, y	24	48	72	96
