

LESSON
12-3

Writing Equations from Tables

Practice and Problem Solving: A/B

Write an equation to express y in terms of x . Use your equation to complete the table.

1.

x	1	2	3	4	5
y	7	14	21	28	

2.

x	2	3	4	5	6
y	1	1.5	2	2.5	

3.

x	20	16	12	8	4
y	10	8	6	4	

4.

x	7	8	9	10	11
y	11	12	13	14	

Solve.

5. Henry records how many days he rides his bike and how far he rides each week. He rides the same distance each time. He rode 18 miles in 3 days, 24 miles in 4 days, and 42 miles in 7 days. Write and solve an equation to find how far he rides his bike in 10 days.

Number of days, d	3	4	7	10
Number of miles, m	18			

Equation relating d and m is _____.

The number of miles Henry rides his bike in 10 days is _____.

6. When Cabrini is 6, Nikos is 2. When Cabrini is 10, Nikos will be 6. When Cabrini is 16, Nikos will be 12. When Cabrini is 21, Nikos will be 17. Write and solve an equation to find Nikos' age when Cabrini is 40.

Cabrini's age, x	6	10	16	21	40
Nikos' age, y	2				

Equation relating x and y is _____.

When Cabrini is 40 years old, Nikos will be _____.