

Algebra

Complete the table. Then write the rule for the table.

1

x	y
3	9
7	13
2	8
6	12
1	
8	

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

2

x	y
8	3
13	8
9	4
6	1
14	
5	

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

3

x	y
3	9
6	15
1	5
5	13
4	
10	

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

4

x	y
12	6
24	12
16	8
10	5
8	
14	

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

5

x	y
3	9
7	21
2	6
6	18
1	
8	

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

6

x	y
8	12
13	22
9	14
6	8
14	
5	

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

7

x	y
15	5
12	4
21	7
24	8
9	
6	

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

8

x	y
20	13
12	5
8	1
14	7
22	
16	

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

Problem Solving

For 9–10, use the pattern.

9 Describe the pattern.

10 If you know that the product of $5 \times 6 \times 7 \times 8 = 1,680$, what can you say about 1,681?

$1 \times 2 \times 3 \times 4 = 24; \quad 24 + 1 = 25$

$2 \times 3 \times 4 \times 5 = 120; \quad 120 + 1 = 121$

$3 \times 4 \times 5 \times 6 = 360; \quad 360 + 1 = 361$

$4 \times 5 \times 6 \times 7 = 840; \quad 840 + 1 = 841$