Chapter 4

Linear Relations

A little practice to start!!

$$P = 4x$$

A little more practice!! :)

$$R = 2x - 4$$

$$R = 2(10) - 4$$

$$= 20 - 4$$

$$= 16$$

Can you see the pattern?

First

Second

Third

Can you see the pattern?

X	У
1	6
2	8
3	10
4	12

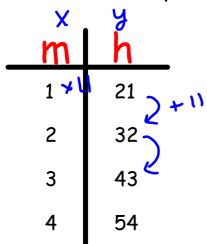
Make the equation using the pattern?

X	У
1 × 8	10
2	18
3	26
4	34

- a) Determine the pattern +8
- b) Make the adjustment

c) State the equation

Make the equation using the pattern?



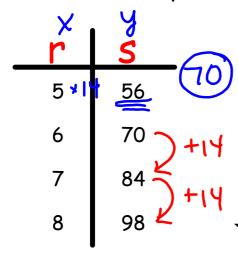
- a) Determine the pattern +11
- b) Make the adjustment

c) State the equation

$$y = 11x + 10$$

$$h = 11m + 10$$

Make the equation using the pattern?



- a) Determine the pattern + 14
- b) Make the adjustment

- c) State the equation
- ★d) Use your equation to determine

the value of "s" when
$$r = 200$$

Section 4.1 Writing Equations to Describe Patterns

Look at each figure is there a pattern?



Figure 1

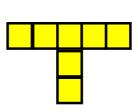


Figure 2

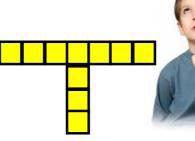
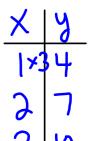


Figure 3



Set up a table of values...

Determine the equation.

Use the equation to determine how many blocks there will be in figure # 25.

Write an equation that relates the number of circles, c, to the figure number, f.

