

More Patterns and Equations

In 1 through 4, use the equation given to complete each table.

1. $y = 2x + 4$

x	0	1	2	3
y				

2. $y = 4x - 3$

x	5	6	7	8
y				

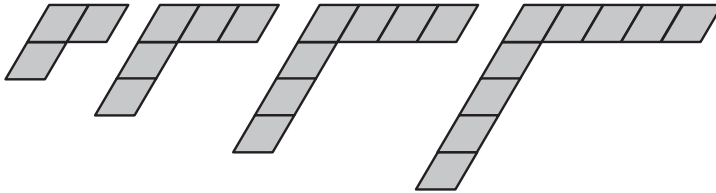
3. $y = 100 - 4x$

x	2	4	6	8
y				

4. $y = \frac{1}{3}x + 1$

x	0	3	6	9
y				

5. **Writing to Explain** Complete the table and write an equation for the pattern. Tell how you do it.



Pattern Number, p	1	2	3	4
Number of Blocks, b	3			

6. **Algebra** How many blocks are needed to make the 10th figure in the pattern above?

- A** 11 **B** 20 **C** 21 **D** 22

7. **Reasoning** Justin used 35 blocks to make a figure for the pattern above. What was the pattern number for the figure? _____

8. **Write a Problem** Write a problem that can be represented by this equation and table.

$y = 20x + 5$

x	1	2	3	4
y	25	45	65	85
