## Graphing, Hundreds Chart, Patterning, Odd Numbers

a) Graph the figure below on the accompanying number line. $\mathbf{x}=$

| 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| -9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

b) This is part of the hundreds chart with some numbers missing.

|  |  |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

What number belongs in the circle?
Answer: $\qquad$
c) Look at the pattern.


How many $\qquad$ and $\qquad$ would be in the next section of this pattern?
d) Circle the odd numbers from the list below.

## Input-Output Table, Sequencing ....... ....... .....

a) This is an input-output table. An input-output table follows certain rules.

| Input | Output |
| :---: | :---: |
|  |  |
|  |  |
|  |  |



Rule: $\qquad$
b) Justin goes for a walk. He starts at the $\qquad$ and walks $\qquad$ squares up and $\qquad$ squares left and arrives $\qquad$ .


Use the above grid to help you describe how Justin would walk home.

## Patterning, Graphing

a) The first four figures of a pattern are shown below.
$\square$
Now complete the bar graph below to show the number of in each figure.


