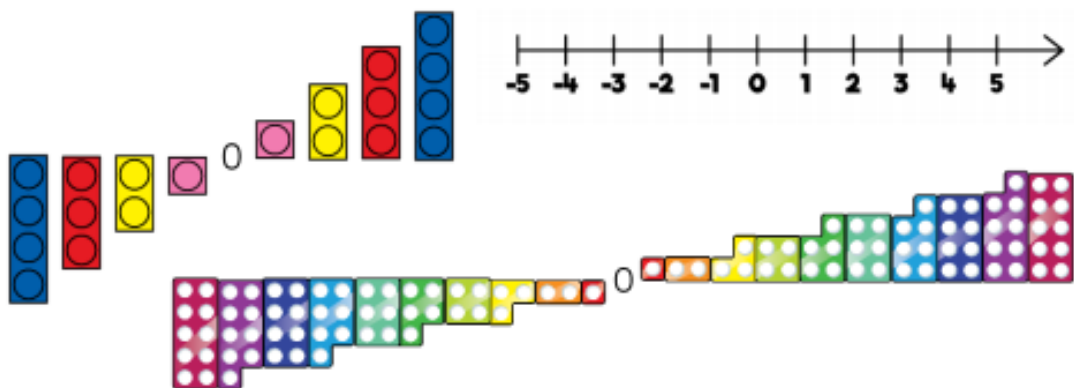## Monday Activity:  Negative Numbers

When answering the questions, please use key maths vocabulary:

| negative | positive | increase (value goes up) | decrease (value does down) |
|---|---|---|---|
| zero | estimate | number line | temperature |

1) **Looking at three different representations of negative numbers below, what is similar and what is different about each?**



2) **Copy, estimate and label where 0, -12 and -20 will be on this number line:**



3) **Read this word problem carefully and show the difference in room temperatures by using a number line:**

Whitney visits a zoo.
The rainforest room has a temperature of 32°C
The Arctic room has a temperature of −24°C

**Extension:**

**1) Each statement below is either true or false. Copy out each statement, then answer 'true' or 'false' giving an explanation how you know.**

- The temperature outside is −5 degrees, the temperature inside is 25 degrees.
  The difference is 20 degrees.

- Four less than negative six is negative two.

- 15 more than −2 is 13

**2) Answer each question below (you may wish to use a number line to help you), then list the answers from the smallest value to the largest.**

- The difference between −24 and −76

- The even number that is less than −18 but greater than −22

- The number that is half way between 40 and −50

- The difference between −6 and 7