

Nickname: _____

No.: _____ Class: M1/ _____

From the given numbers, select if the number is a positive integer or a negative integer.

-2, $\frac{4}{5}$, 8,104, -0.707, 9.3, $-\frac{1}{3}$, 0, 26, $1\frac{3}{7}$, 4.1

-5, 2,013, 0, $-\frac{1}{2}$, 1.666, -3.8, $\frac{3}{4}$, -17, 6, $-\frac{2}{3}$

2. Fill in each box with '>' or '<'.

1) 16 60

2) -6 8

3) -30 -31

4) -2 0

3. Arrange the numbers in the following orders.

1) Ascending order

4 -3 -19 3 -4

.....

2) Descending order

-10 -1 7 0 -6

.....

4. For each of the following patterns, write down the next two terms.

1) 14, 19, 24, 29, 34, ...

.....

2) -52, -59, -66, -73, -80, ...

.....

3) 9, -18, 36, -72, 144, ...

.....

4) 1,600, 800, 400, 200, 100, ...

.....

5. Solve the following.

- 1) Absolute zero, defined as 0 Kelvin, is the theoretical lowest possible temperature. This corresponds to a temperature of 273.15°C below zero. Represent this temperature using a negative number.

$^{\circ}\text{C}$

- 2) The lowest point in North America is the Badwater Basin which is 86 m below sea level. Represent this altitude using a negative number.

m

6. Write down the next two terms of each of the following patterns.

- 1) -6, -5, -3, 0, 4, ...

- 2) 47, 38, 30, 23, 17, ...

- 3) -50, -45, -44, -39, -38, ...

7. Write down the next two terms of each of the following patterns.

- 1) -5, -7, -11, -19, -35, ...

- 2) 1, 1, 2, 3, 5, ...

- 3) 4, 16, 36, 64, 100, ...

- 4) 1, -8, 27, -64, 125, ...