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

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

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

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.

°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, …