

# Master Maths 8 Worksheet 6

## Integers

# 6

**Name:** \_\_\_\_\_

1. Complete the following patterns.

- (a) -5, -4, -3, -2, , , , .
- (b) 10, 8, 6, 4, , , , .
- (c) 14, 11, 8, 5, , , , .
- (d) -16, -15, -13, -10, , , , .

2. Place the correct symbol (< or >) between the following pairs of numbers.

- (a) -3  2      (b) 5  -2
- (c) 0  -2      (d) -3  -8

3. Write these numbers in order from the smallest to the largest.

-3   5   0   -10   8   -1   9   -12

\_\_\_\_\_

4. What is the gap between the following pairs of numbers.

- (a) -3, 4       (b) -11, -3

5. On a particular day the maximum temperatures of four cities are listed below.

City	Temperature
Hobart	16°C
Istanbul	34°C
Helsinki	-13°C
Chicago	-8°C

What was the difference in the maximum temperature for the following cities?

- (a) Hobart and Helsinki
- (b) Istanbul and Chicago
- (c) Helsinki and Chicago
- (d) Istanbul and Hobart

6. A yacht was located 370 km north of the equator. It sailed 520 km directly south. How far, and in what direction, is it from the equator?

7. The highest temperature variation recorded in one day was in Browning Montana, USA on 23rd January 1916. The temperature dropped 58°C during that day. If the highest temperature was 7°C, what was the lowest temperature on this day?

8. The temperature on the Moon varies from 117°C to -163°C. What is this temperature variation?

9. Archimedes and Galileo were two famous scientists. Archimedes was born in 287BC and Galileo in 1564AD.

- (a) How many years after Archimedes' birth was Galileo born?

Archimedes died at age 75 and Galileo died at the age of 78.

- (b) In what year did Archimedes die?

- (c) In what year did Galileo die?