

Integers Worksheet 1

Grade 7 Unit 2

- 1) Put the following integers in order from smallest to largest.
 - a. 28, 7, -9, 0, -72, -15, -27, 11, 52
 - b. -3, 10, 2, 11, 0

- 2) Put a + or – in front of each number to represent the scenario.
 - a. Water boils: 100°C
 - b. Frozen oxygen: 218°C
 - c. Normal body temp.: 37°C
 - d. Descend 3 stairs: 3
 - e. Increase by 7: 7

- 3) Diver A is 2 m below sea level.
Diver B is 1 m below sea level.
Diver C is 3 m below sea level.
 - a) Draw a vertical number line to show the location of the divers.
 - b) Which diver is farthest from the surface? Explain your thinking

- 4) Use a number line to help answer the following:
Put a < , > or = in the box
 - a) $6 \square 9$
 - b) $1 \square -3$
 - c) $0 \square 7$
 - d) $-4 \square -6$
 - e) $-2 \square -5$
 - f) $-7 \square 0$

- 5)
 - a) List the integers between -9 and 4.
 - b) List the negative integers that are greater than -9
 - c) List the positive integers less than 4
 - d) Does zero appear in either list in (a) or (b) why or why not?

- 6) Which of the following is true or false? (Briefly explain your reasoning)
 - a. The greatest negative integer is -1
 - b. Positive integers are less than negative integers.
 - c. Any negative integer is always less than 0.
 - d. The greater the digit, the greater the value.