

**Worksheet 2.1, 2.2, 2.3 – Real Number Line, Addition and Subtraction of Real Numbers –  
Textbook pages 63-85****LEVEL 1**

Graph the numbers on a number line in increasing order.

1) 0, -1, 3, 5

2) -6, 5.5, -4.5, -5.4

3) 5,  $-1/2$ , 2.8,  $3/5$

Evaluate the expression.

4)  $|-12|$

5)  $|-6.8|$

6)  $|-7/10|$

**LEVEL 2**

Find the sum or difference.

7)  $(-3) + 5$

8)  $6 + (-2)$

9)  $-12 + 7$

10)  $7 - 16$

11)  $8 - (-10)$

12)  $19.3 - (-23.7)$

13)  $13 - 15 + 4$

14)  $-33 - 24 + 42$

15)  $-6.2 + 4.8 - (-2.5)$

**LEVEL 3**

Find the sum or difference.

16)  $14 - |-22|$

17)  $|-4.8| + 7 - 2.8$

18)  $-7 + |-12| - 5$

19)  $-1/5 + |4/5| + (-3/5)$

20)  $6.8 + |-7.6| - (-5.6)$

21)  $|-15| + |-9| - |8|$

#### **LEVEL 4**

- 22) You pick up your friend, stop at the grocery store to buy lunch, and then go to the beach. Your friend lives 4 miles west of your house, the grocery store is 15 miles east of your house, and the beach is 2 miles west of the grocery store. When you are at the beach, how far have you driven, and how far from your house are you? Show your equations.
- 23) Your football team needs 16 yards to score a touchdown. On the first down, the team rushed 7 yards. On the second down, the quarterback was sacked and lost 18 yards. On the third down, a 20 yard pass was completed. On the fourth down, the team rushed for 3 yards. Did the team score? Did the team get a first down? Show your equation.
- 24) You are scuba diving at a depth of 52.5 feet below sea level. Thirty minutes later, you are at a depth of 38 feet below sea level. What is your change in depth? Have you gone up or down?
- 25) The distance between the sun and the earth is 92.9 million miles. The distance between Mars and the sun is 141.6 million miles. How far is Mars from Earth?