

## Activity : Absolute Value and Addition of Integers

### A. Give the value of the following.

- |                        |                         |
|------------------------|-------------------------|
| _____ 1. $ 4 $         | _____ 6. $ 16  +  -4 $  |
| _____ 2. $ -20 $       | _____ 7. $ 6 - 4 $      |
| _____ 3. $- 15 $       | _____ 8. $ 10 + 4 $     |
| _____ 4. $- -12 $      | _____ 9. $ 15  -  -5 $  |
| _____ 5. $ -5  +  -5 $ | _____ 10. $ -8  +  -5 $ |

### B. Find the sum of the following.

- |                          |                                     |
|--------------------------|-------------------------------------|
| _____ 1. $7 + (-10)$     | _____ 6. $(-6) + (-12) + (6)$       |
| _____ 2. $46 + (-15)$    | _____ 7. $(-5) + (5) + (-15)$       |
| _____ 3. $(-8) + (-12)$  | _____ 8. $(-8) + (15) + (20) + 5$   |
| _____ 4. $(-18) + (-15)$ | _____ 9. $(6) + (-24) + (3) + (-4)$ |
| _____ 5. $(-35) + (25)$  | _____ 10. $(-8) + (-12) + (12)$     |

### C. Problem Solving

1. An elevator is at fourteenth floor. It goes down 7 floors, then down 4 more floors, then up 5 floors, then down by 2 floors. At what floor is the elevator now?

Solutions : Represent the following in integers and add to answer the question.

at fourteenth floor : +14

goes down 7 floors : \_\_\_\_\_

goes down 4 floors : \_\_\_\_\_

up 5 floors : \_\_\_\_\_

down 2 floors : \_\_\_\_\_

**Final answer : \_\_\_\_\_ floor**

2. A submarine is cruising at a depth of 30m. It climbs 12m, then dives 21m and dives again 13m. At what depth is the submarine then?

Solutions :

Represent the following in integers and add to answer the question.

depth of 30m : \_\_\_\_\_

climbs 12m : \_\_\_\_\_

dives 21m : \_\_\_\_\_

dives 13m : \_\_\_\_\_

**Final answer : \_\_\_\_\_ m**