

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