

Activity : Absolute Value and Addition of Integers

A. Give the value of the following.

_____ 1. $|4|$

_____ 2. $|-20|$

_____ 3. $-|15|$

_____ 4. $-|-12|$

_____ 5. $|-5| + |-5|$

_____ 6. $|16| + |-4|$

_____ 7. $|6 - 4|$

_____ 8. $|10 + 4|$

_____ 9. $|15| - |-5|$

_____ 10. $|-8| + |-5|$

B. Find the sum of the following.

_____ 1. $7 + (-10)$

_____ 2. $46 + (-15)$

_____ 3. $(-8) + (-12)$

_____ 4. $(-18) + (-15)$

_____ 5. $(-35) + (25)$

_____ 6. $(-6) + (-12) + (6)$

_____ 7. $(-5) + (5) + (-15)$

_____ 8. $(-8) + (15) + (20) + 5$

_____ 9. $(6) + (-24) + (3) + (-4)$

_____ 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