

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