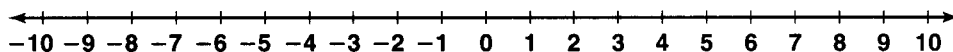# Reteaching 2-1 Integers and Absolute Value

Integers are the set of whole numbers and their opposites.
Negative integers are to the left of zero on a number line.
Positive integers are to the right of zero on a number line.

-5 is to the left of -2. -7 is to the left of 4. 6 is to the right of 3.
-5 is less than -2. $-7 < 4$ 6 is greater than 3.
$-5 < -2$ $6 > 3$

The **absolute value** of a number is its distance from zero on a
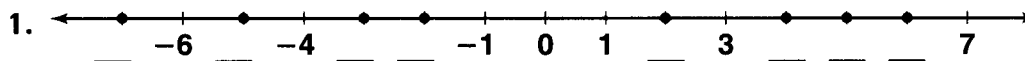number line. The absolute value of 5 is written as $|5|$.

-3 is 3 units from 0.   2 is 2 units from 0.   0 is 0 units from 0.
$|-3| = 3$ $|2| = 2$ $|0| = 0$

Write the integers missing from the number line.

1.

___ -6 ___ -4 ___ ___ -1 0 1 ___ 3 ___ ___ ___ 7

Compare. Use <, >, or =.

2. $6 \square 0$ 3. $-8 \square -5$ 4. $-2 \square 2$

5. $12 \square 5$ 6. $3 \square -2$ 7. $-4 \square -6$

8. $-5 \square 5$ 9. $-5 \square -10$ 10. $0 \square 0$

11. $8 \square -1$ 12. $-4 \square 0$ 13. $4 \square -2$

Find each absolute value.

14. $|3| =$ _____   15. $|-2| =$ _____   16. $|10| =$ _____

17. $|-4| =$ _____   18. $|4| =$ _____   19. $|0| =$ _____

20. $|-1| =$ _____   21. $|-18| =$ _____   22. $|50| =$ _____