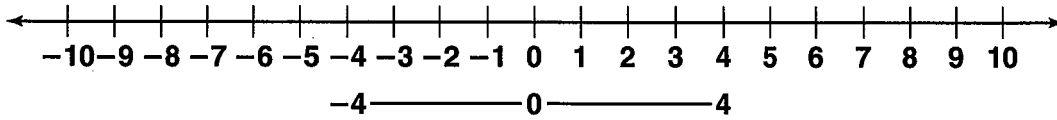


Reteaching 10-1

Using a Number Line

The numbers . . . -3, -2, -1, 0, +1, +2, +3, . . . are *integers*.
 Integers are the set of positive whole numbers, their opposites, and 0.

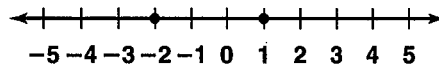


The absolute value of a number is its distance from 0 on a number line. $|-4| = 4$. *Opposite integers*, like -4 and 4, are the same distance from 0.

Compare -2 and 1.

For two integers on a number line, the greater integer is farther to the right.

- ① Locate -2 and 1 on the number line.
- ② Find that 1 is farther to the right.
- ③ Write $1 > -2$ (1 is greater than -2),
or $-2 < 1$ (-2 is less than 1.)



Name the opposite of each integer.

- | | | |
|----------------|---------------|-------------|
| 1. 7 _____ | 2. -212 _____ | 3. 49 _____ |
| 4. 1,991 _____ | 5. -78 _____ | 6. 16 _____ |

Compare using $<$ or $>$.

- | | | | |
|--------------------|---------------------|--------------------|---------------------|
| 7. $6 \square 3$ | 8. $2 \square 8$ | 9. $-2 \square 2$ | 10. $9 \square -9$ |
| 11. $0 \square 5$ | 12. $-9 \square -5$ | 13. $0 \square 10$ | 14. $-5 \square -2$ |
| 15. $7 \square -9$ | 16. $-5 \square -1$ | 17. $6 \square -6$ | 18. $-12 \square 0$ |
| 19. $8 \square -3$ | 20. $-1 \square -2$ | 21. $-5 \square 4$ | 22. $-3 \square -2$ |

Find each absolute value.

- | | | |
|---------------------|-----------------------|-----------------------|
| 23. $ -2 $
_____ | 24. $ -100 $
_____ | 25. $ -16 $
_____ |
| 26. $ 8 $
_____ | 27. $ -25 $
_____ | 28. $ -250 $
_____ |
| 29. $ 16 $
_____ | 30. $ 12 $
_____ | 31. $ 75 $
_____ |