



Name _____ Date _____

Comparing and Ordering Integers

(Pages 59–61)

You can use a number line to compare integers. Recall that $<$ means *is less than* and $>$ means *is greater than*.

Comparing Integers	<p>On a number line, a number to the left is less than a number to the right.</p> <p>A negative number is always less than a positive number.</p> <p>A negative number is always less than zero.</p> <p>A positive number is always greater than zero.</p>
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EXAMPLES

- A** Which number is greater, 5 or -8 ?

-8 is to the left of 5 on a number line,
so $5 > -8$.

You might think of this as “it is better to have
\$5 than to have a debt of \$8.”

- B** Order these numbers from least to
greatest: 0, 6, -7 , 1, -2 , 2.

Think of these numbers on a number line, and
then list them from left to right:

$-7, -2, 0, 1, 2, 6$.

Try These Together

Replace each \bullet with $>$, $<$, or $=$ to make a true sentence.

1. $5 \bullet -6$

2. $-2 \bullet 3$

HINT: Which number is to the left on the number line?

PRACTICE

Replace each \bullet with $>$, $<$, or $=$ to make a true sentence.

3. $-7 \bullet -8$

4. $-10 \bullet 9$

5. $25 \bullet |-25|$

6. $12 \bullet |-14|$

7. $|3| \bullet -3$

8. $8 \bullet 16$

9. $-10 \bullet -10$

10. $|-41| \bullet 40$

11. Order the integers $\{-10, -15, -12, -18, -20\}$ from greatest to least.

12. Order the integers $\{-45, -56, 23, 28, 59, -2\}$ from least to greatest.

13. Order the integers $\{-259, -356, 987, 125, -364, 250\}$ from least to greatest.

14. **Stock Market** On Monday, stocks C and D were the same price. On Tuesday, the change in the price of Stock C was $+\$1.50$ and the change in the price of Stock D was $-\$1.26$. Which stock is now worth more?



15. **Standardized Test Practice** In golf, the best score is the lowest number. Which of the following scores is the best golf score?

A 67

B 76

C 54

D 56

Answers: 1. $>$ 2. $<$ 3. $<$ 4. $<$ 5. $=$ 6. $<$ 7. $<$ 8. $<$ 9. $=$ 10. $>$ 11. $-10, -12, -15, -18, -20$
12. $-56, -45, -2, 23, 28, 59$ 13. $-364, -356, -259, 125, 250, 987$ 14. Stock C 15. C