

Unit 3 Objective 2 Remediation

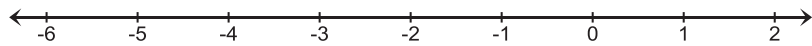
Comparing Real Numbers

$<$	$>$	$=$
Is less than	Is greater than	Is equal to

Use $<$, $>$, or $=$ to compare each pair of numbers.

1. -3 -5

Answer: $>$; On a number line -3 is to the right of -5 which would make it a greater number.



2. $-1\frac{3}{4}$ -1.75

Answer: $=$; When $-1\frac{3}{4}$ is written as a decimal, it is -1.75 . Therefore the values are equal.

3. -10.2 8.3

Answer: $<$; Negative numbers are always less than a positive number.

General rule: the furthest right on the number line is the greater number.

If needed it might be easier to compare fractions in decimal form or with common denominator.

Try These

1. 2.45 -2.45

2. -3.8 -3.9

3. $\frac{4}{5}$ $1\frac{4}{5}$

4. $\frac{1}{3}$ 0.3

5. 2.6 $2\frac{3}{5}$

6. 6.3 6.8

7. -2 $-\frac{4}{2}$

8. $\frac{2}{3}$ $\frac{3}{4}$

9. -11 -12

10. $-\frac{1}{2}$ $-\frac{1}{4}$

11. $2\frac{2}{7}$ $-\frac{16}{7}$

12. $5\frac{1}{2}$ 5.75

13. 0 4.5

14. -8 -12

15. 0 -4.5

16. $-3\frac{1}{4}$ $-\frac{13}{4}$