Compare and Order Integers and Rational Numbers

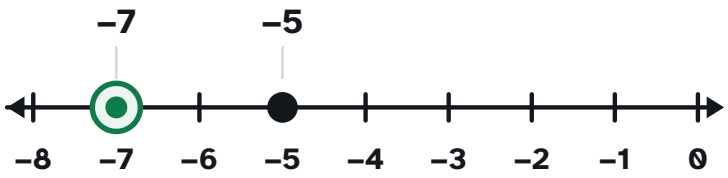
Compare and order integers using a number line.

Name _____ **Date** _____

Tonight's spark

Two bus-stop thermometers read –7 and –5 degrees. Which stop is colder?

Guess first: does the 7 make –7 warmer or colder than –5?



Our class model: left is less, right is greater

Try it

Work it out on paper. Write one answer on each line.

1 **Which number is the greatest?**

A. –7 **B.** –4 **C.** 0 **D.** 2

My answer _____

2 **Which symbol makes –3 ___ 5 true?**

A. < **B.** > **C.** =

My answer _____

3 **Which is less: –9 or –2?**

A. –2 **B.** –9 **C.** They are equal

My answer _____

4 **Which number is farthest to the left on a number line?**

A. −6 **B.** −1 **C.** 0 **D.** 4

My answer _____

5 **Order from least to greatest: −2, 5, −8, 0.**

A. −2, −8, 0, 5 **B.** −8, −2, 0, 5 **C.** 0, −2, −8, 5 **D.** 5, 0, −2, −8

My answer _____

6 **A fish is at −6 meters and a diver is at −10 meters. Which statement is true?**

A. −10 > −6 **B.** −6 < −10 **C.** −10 < −6 **D.** −10 = −6

My answer _____

Talk about it

Which number is farther left? Which is less?

Home mission

Lay a string on the table as a number line, with a coin at 0. Put one coin 5 finger-widths left of 0 and another 7 finger-widths left. Ask: which coin is less? Which would be colder?

If we get stuck, ask

- Which number is farther to the left on the number line? That one is less.
- Let's draw a number line and mark both numbers to see them.
- Does the wide side of the symbol point to the bigger number?

Do it on a screen

Scan or type the link. Same lesson, with hints.

eduwonderlab.com/lessons/7-4/homework.html

How did it feel? (optional)

Tricky Getting there Got it