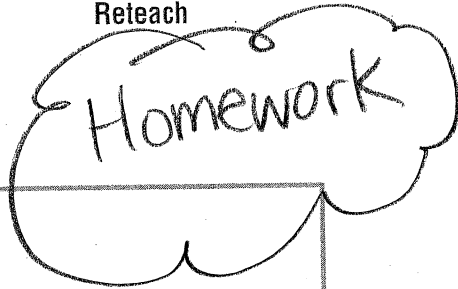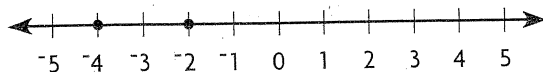Name _____

Homework

Compare and Order Integers

Use a number line to compare ⁻2 and ⁻4.

Step 1 Graph ⁻2 and ⁻4. Both numbers are negative integers.
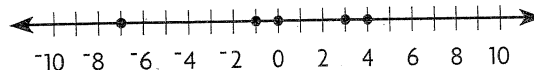Graph them to the left of 0.

⁻5 ⁻4 ⁻3 ⁻2 ⁻1 0 1 2 3 4 5

Step 2 Decide which number is greater. Numbers become greater
as you move to the right on a number line.

⁻2 is to the right of ⁻4.

So, ⁻2 is greater than ⁻4. Write: ⁻2 > ⁻4.

Order these integers from least to greatest: 3, ⁻7, 0, 4, ⁻1.

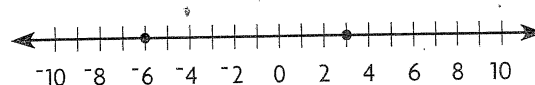**Step 1** Graph the integers on a number line.

⁻10 ⁻8 ⁻6 ⁻4 ⁻2 0 2 4 6 8 10

Step 2 Write the numbers in order from left (least) to right (greatest). ⁻7, ⁻1, 0, 3, 4

Compare the numbers. Write < or >.

1. 3 ◯ ⁻6

⁻10 ⁻8 ⁻6 ⁻4 ⁻2 0 2 4 6 8 10

3 is to the _____ of ⁻6 on the number line,

so 3 is _____ than ⁻6.

2. ⁻4 ◯ 2   **3.** 1 ◯ ⁻5   **4.** ⁻7 ◯ ⁻3

Order the numbers from least to greatest.

5. 4, ⁻3, ⁻5   **6.** ⁻11, 2, 6   **7.** 8, ⁻7, 4

____ < ____ < ____   ____ < ____ < ____   ____ < ____ < ____

Order the numbers from greatest to least.

8. 1, ⁻2, 0   **9.** ⁻6, 2, 5   **10.** ⁻3, 3, ⁻4

____ > ____ > ____   ____ > ____ > ____   ____ > ____ > ____

Reteach

Review

Lesson Check

1. Veronica's mom left $\frac{3}{4}$ of a cake on the table. Her brothers ate $\frac{1}{2}$ of it. What fraction of the cake did they eat?

2. One lap around the school track is $\frac{5}{8}$ mile. Carin ran $3\frac{1}{2}$ laps. How far did she run?

Spiral Review

3. Tom bought $2\frac{5}{16}$ pounds of peanuts and 2.45 pounds of cashews. Which did he buy more of? Explain.

4. Eve has 24 stamps each valued at $24.75. What is the total value of her stamps?

5. Naomi went on a 6.5-mile hike. In the morning, she hiked 1.75 miles, rested, and then hiked 2.4 more miles. She completed the hike in the afternoon. How much farther did she hike in the morning than in the afternoon?

6. A bookstore owner has 48 science fiction books and 30 mysteries he wants to sell quickly. He will make discount packages with one type of book in each. He wants the most books possible in each package, but all packages must contain the same number of books. How many packages can he make? How many packages of each type of book does he have?

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