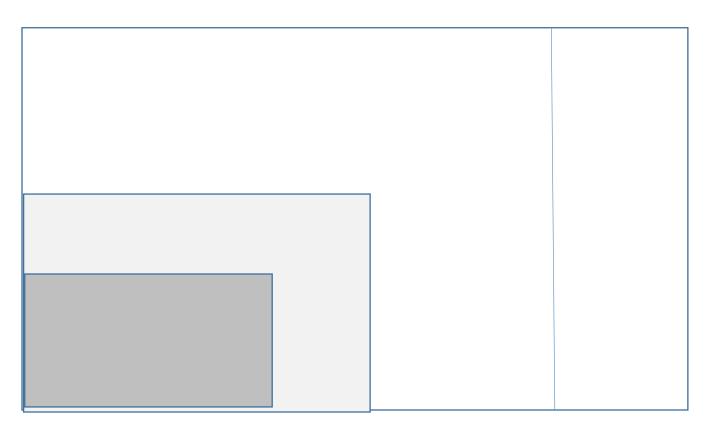
Unit 1 Lesson 4 Classify, compare, and order numbers.

E.Q.: How do I classify real numbers?



Examples: Identify the set(s) to which each number belongs. (Use R, IR, IN, W)

1) 39

- 2) $\frac{-2}{7}$ 3) $\sqrt{36}$

4) $\sqrt{8}$

- 5) $-5\frac{2}{3}$
- 6) -2 7) -√81

8) $\frac{11}{3}$

E.Q.: How do I compare/order numbers?

Review: Inequality signs

<u>Sign</u>	<u>MEANING</u>	<u>EXAMPLE</u>
>		
<		
≤		
≥		
≠		

Steps to use when putting numbers in order:



Examples:

Compare using <, >, \le , and \ge .

- 1.46 2) $\frac{\pi}{2}1\frac{3}{4}$ 3) 3.97 |-3.902|

Order from least to greatest.

1)
$$\sqrt{49}$$
, 8, $-\sqrt{4}$, -3

2)
$$\sqrt{8}, -\frac{2}{5}, -1, 0.6, \sqrt{6}$$

1)
$$\sqrt{49}$$
, 8, $-\sqrt{4}$, -3 2) $\sqrt{8}$, $-\frac{2}{5}$, -1, 0.6, $\sqrt{6}$ 3) $\frac{-8}{3}$, $-\sqrt{5}$, 2.6, -1.5, $\sqrt{5}$