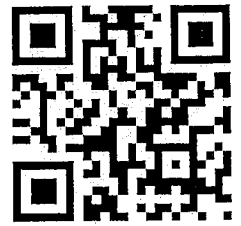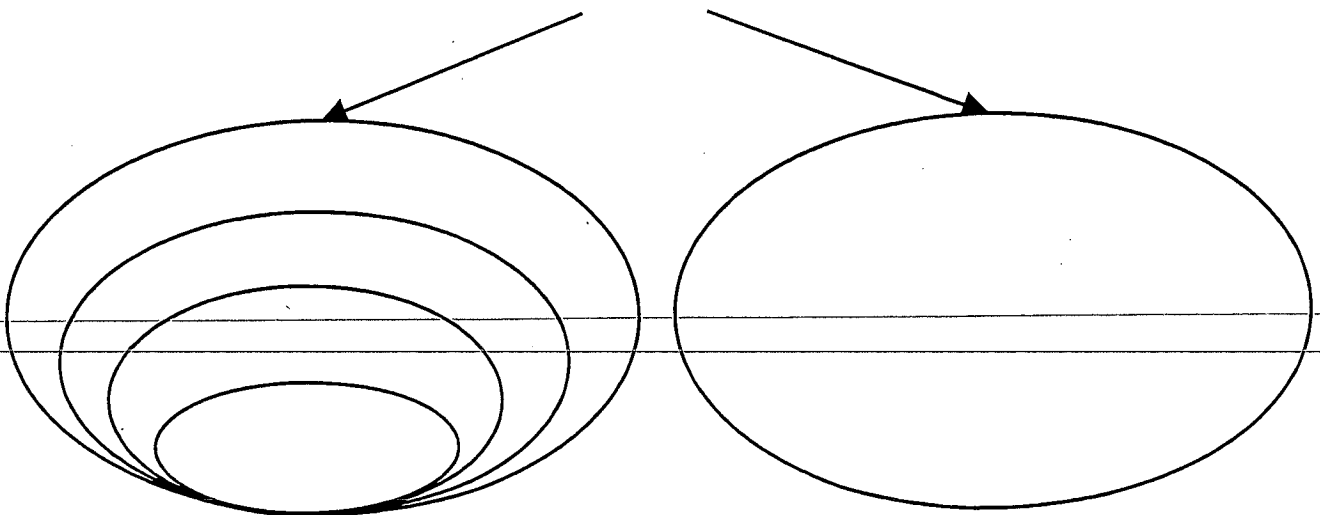Name _____ Date _____

- All the numbers that you have experienced in life thus far are known as

  _____ .

- Real Numbers can be broken down into two smaller categories:

  _____ and _____ numbers.

- Rational Numbers can be further split up into three more smaller categories:

  _____ , _____ and

  _____ .

- Define each of the three types of Rational Numbers

- Complete the diagram below, helping to visualize the classification of numbers.

Guided Examples

For each of the values below, list which sub-group(s) of numbers they belong in.

1. -21

2. 0.15

3. $0.\overline{15}$

4. $\dfrac{5}{7}$

5. $\sqrt{4}$

6. $\sqrt{5}$

For the following problems, write each repeating decimal as a fraction.

7. $0.\overline{3}$

8. $0.\overline{25}$