

Worksheet N.S. 1-2

Classifying Numbers

1. Classify these numbers as **rational or irrational** and **give your reason**.

a. 0.573345743246... _____

b. $\sqrt{16}$ _____

2. Give an example of a number that would satisfy these rules.

a. A number that is: real, rational, whole, an integer, and natural _____

b. A number that is: real and irrational _____

3. Classify each number as: real, rational, irrational, integer, whole, and natural.

a. $\sqrt{20}$ _____

b. $-\frac{12}{4}$ _____

c. 0.345345345... _____

4. Give examples of rational numbers that fit between the following numbers.

a. -0.45 and -0.55 _____

b. -5.76 and -5.77 _____

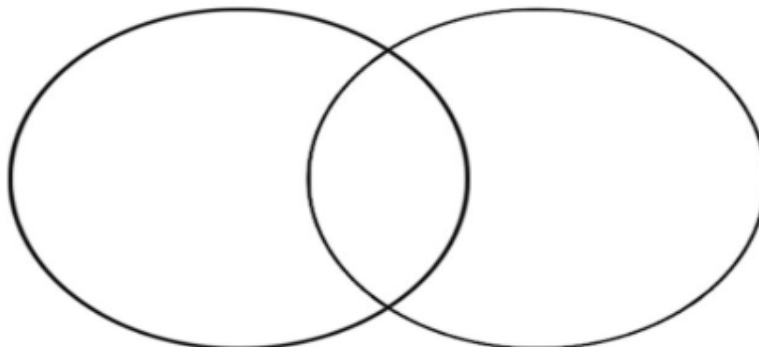
(hint...think of it as -5.760 and -5.770)

5. Place the following numbers in the Venn Diagram. Note that some numbers may **not** fit.

-0.462	-56	735	0.326	8321	0
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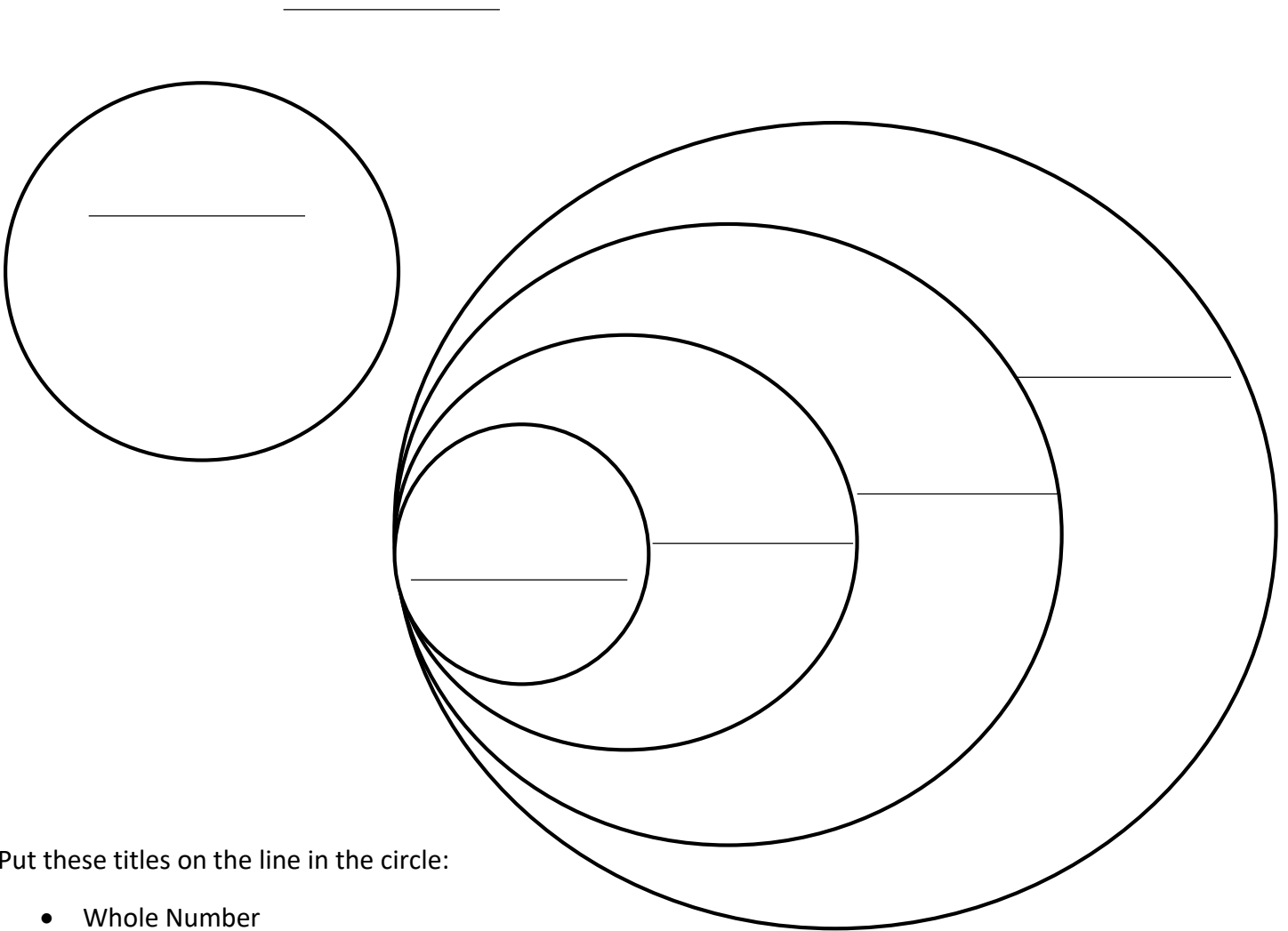
Integers

Whole Numbers



Extension...

Directions: Move the labels and numbers to their correct circles on the Venn Diagram.



Put these titles on the line in the circle:

- Whole Number
- Rational Number
- Real Number
- Irrational Number
- Integer
- Natural Number

Place one number in each circle. You can only use each number once.

$0, \frac{1}{2}, 6, \pi, -5$