

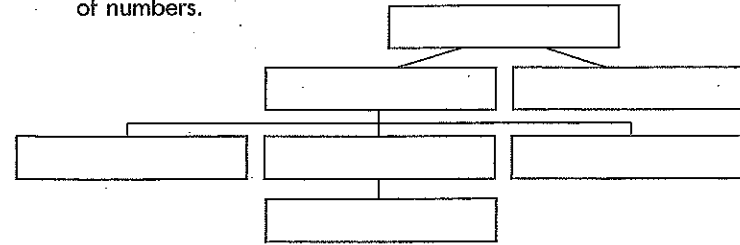
1.1 Teacher Notes



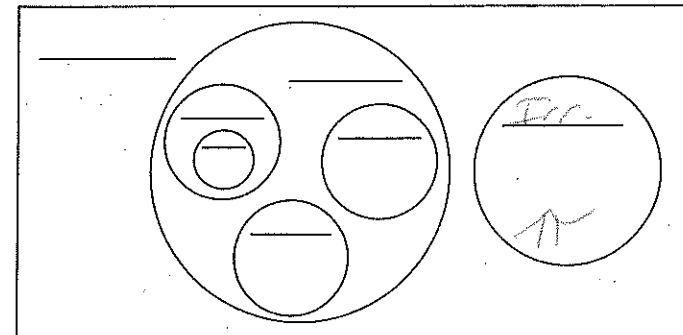
Number Systems

► Use the terms **integers, irrationals, mixed numbers, proper fractions, whole numbers, and reals.** *rational*

1. Fill in the organizational chart to show the relationships between the types of numbers.



2. Label the regions of the Venn diagram with the terms given above.

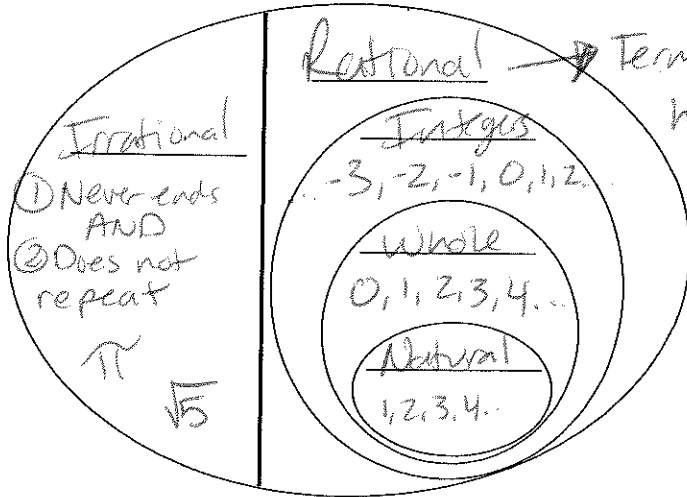


3. Place each of the following numbers in the most appropriate region of the Venn diagram.

- $\frac{2}{3}$ $\sqrt{19}$ -24 $4\frac{1}{3}$ 0 $\sqrt{9}$
 5.5 $\frac{1}{5}$ 7 π -3 $\sqrt{26}$

REAL NUMBERS

Irrational
NUMBERS



Rational
NUMBERS

REAL NUMBERS

Identify the category of Real Numbers each number best fits into:

1. 6 All S	2. -4 Integers Rational Real	3. 0 Whole Int. Rat. Real	4. 7.5 Rat. Real	5. $\sqrt{7}$ Irrational Real
6. $\sqrt{25} = 5$ All S	7. $-\frac{3}{4}$ -0.75 Rat., Real	8. {1, 2, 3, 4, ...} All S	9. $\{-8, 3, \frac{16}{5}, 9.1\}$ Rational, Real	
10. $\{\sqrt{2}, \pi, 5.196...\}$ Irrational, Real	11. $\{-10, \sqrt{3}, 3\bar{3}, 7.745..., 25\}$ Real			

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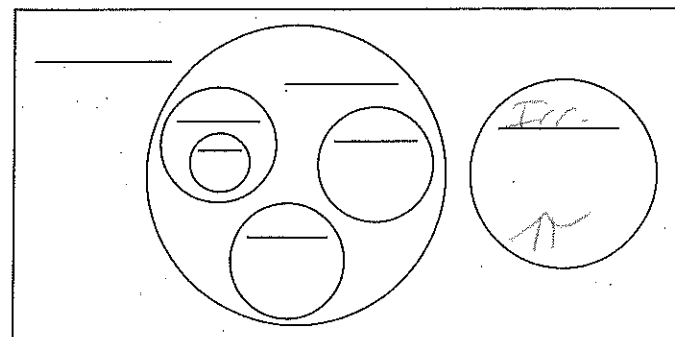
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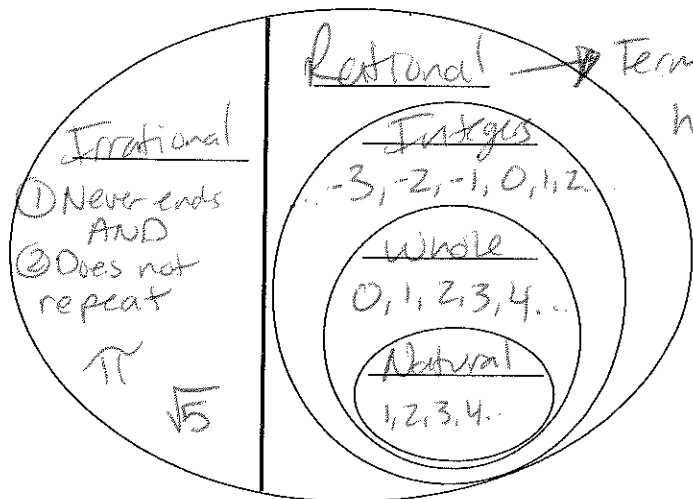


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