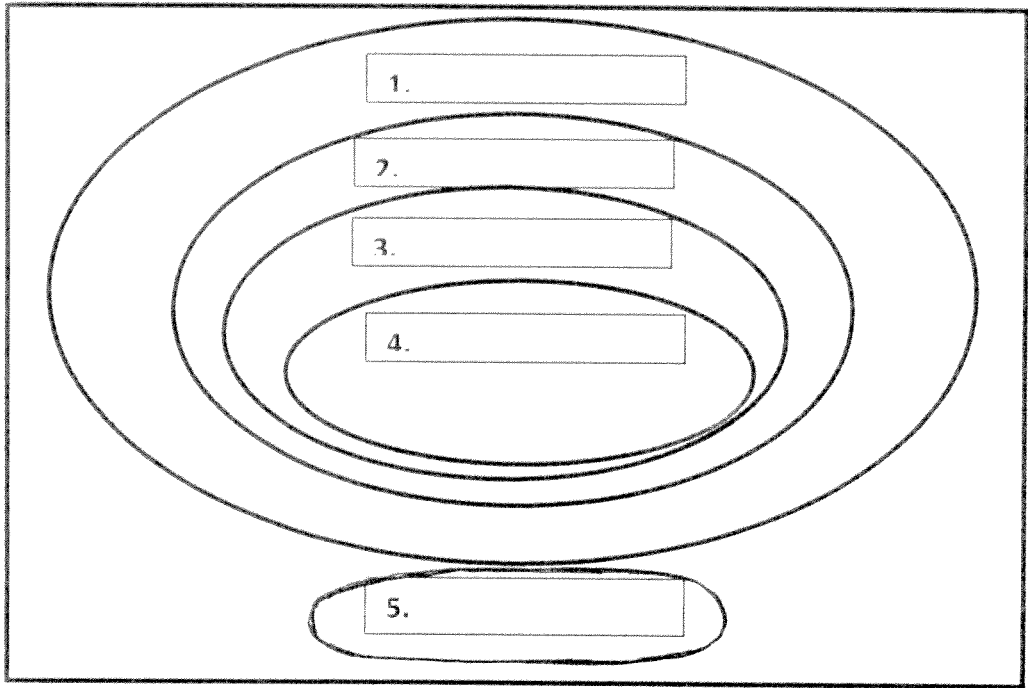


Homework QUIZ

Identify the relationships between the subsets of the real number system using the Venn diagram. "Drag" the correct word from the right into each numbered space.

Real Numbers



- Natural Numbers
- Rational Numbers
- Integers
- Irrational Numbers
- Whole Numbers

Which classification of the real number system describes **ALL** the numbers in each set? (Use a word from there.)

6. $\{\frac{2}{11}, -\sqrt{16}, 3, 0.45\}$ _____
7. $\{0.1234654\dots, \sqrt{11}, \pi\}$ _____
8. $\{0, 3^2, 64, 1\}$ _____
9. Give an example of a number that is an integer but not a natural number. _____
10. Give an example of a number that is a real number, but not a rational number. _____
11. Circle each number that represents a perfect square:

12

88

104

81

200

225

100

400

Find each square root. Round to the nearest tenth.

12. $\sqrt{49}$	13. $\sqrt{269}$	14. $-\sqrt{121}$
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Between which two ^{consecutive} whole numbers does each square root lie? Write a WHOLE number in each box.

15. $\sqrt{24}$	16. $\square < \sqrt{50} < \square$	17. $\square < \sqrt{379} < \square$
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Integer Review

18. $4 \cdot (-5) =$	19. $-2 - -6 =$	20. $-6 + 2 =$
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Absolute Value and Exponents

21. $-5^3 =$ _____	22. $(-5)^3 =$ _____	23. $ -4/5 =$ _____
24. $ 5-3 =$ _____	25. $6 + 5-11 =$ _____	26. $(1/3)^2 =$ _____