

Practice 1-6

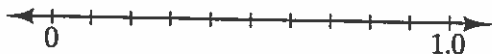
Comparing and Ordering Decimals

Use $<$, $=$, or $>$ to complete each statement.

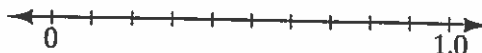
1. 0.62 0.618 2. 9.8 9.80 3. 1.006 1.02 4. 41.3 41.03
 5. 2.01 2.011 6. 1.400 1.40 7. 5.079 5.08 8. 12.96 12.967

Order each set of decimals on a number line.

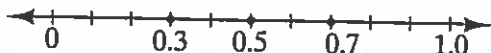
9. $0.2, 0.6, 0.5$



10. $0.26, 0.3, 0.5, 0.59, 0.7$



11. Three points are graphed on the number line below. Write statements comparing 0.3 to 0.5 and 0.5 to 0.7 .



12. Draw a number line. Use 11 tick marks. Label the first tick mark 0.6 and the eleventh tick mark 0.7 . Graph 0.67 and 0.675 .

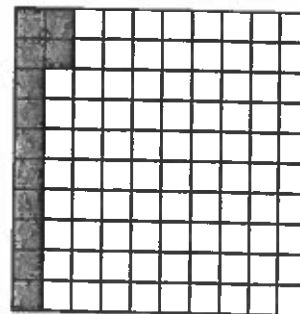
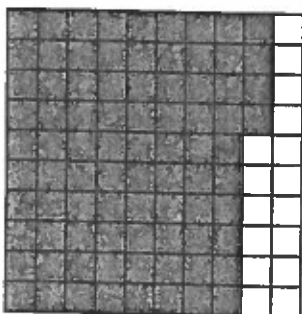
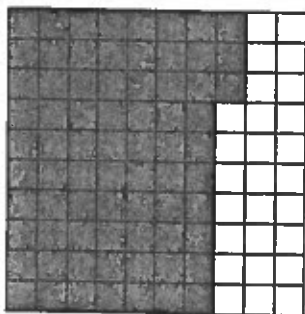
- a. Which is greater, 0.67 or 0.675 ?

- b. How does the number line show which number is greater?

13. Models for three decimals are shown below.

- a. Write the decimal that each model represents.

- b. Order the decimals from least to greatest.



Puzzle 1-6

Comparing and Ordering Decimals

Mystery Decimals

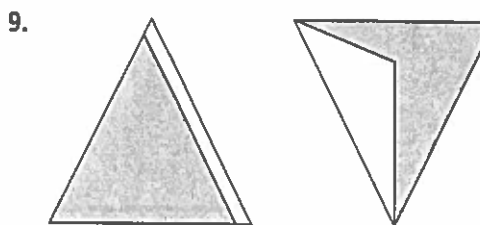
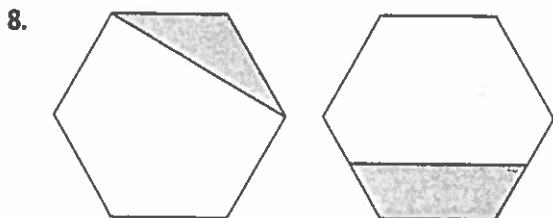
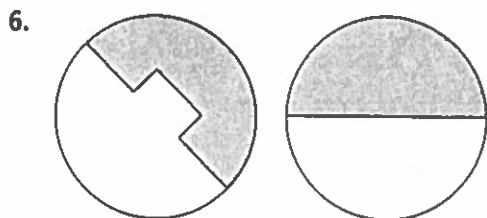
Use each of the ten digits 0–9 only once to make the number described in each problem. Notice that each number has 3 decimal places. Do not use 0 in either the millions or the thousandths places.

□	□	□	□	□	□	□	□	□	□	□
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1. The greatest number. _____
2. The least number. _____
3. The greatest number less than five million. _____
4. The least number greater than eight million. _____
5. The number closest to two million six hundred thousand. _____

Visual Thinking

The shading of each figure represents a decimal. Circle the figure that represents the greater decimal.



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