



Problem 1 – Order Fractions and Decimals

Answer the following questions about the numbers in list **L1**.

1. Press **LIST** after your teacher has sent list **L1**.

Which is the greatest element in the list? _____

Which is the least element in the list? _____

2. Are any of the numbers in the list equal? How do you know?

Write the answer. _____

Problem 2 – Fraction Challenge

You and your partner will take turns creating lists of decimals. The goal is to find a fraction between each pair of decimals.

3. Write the pairs decimals your partner creates. Find a fraction *between* the decimals.

1st pair

2nd pair

Decimals: _____

Decimals: _____

Fraction: _____

Fraction: _____

4. Write the pairs decimals for your partner and the fraction chosen he or she chooses.

1st pair

2nd pair

Decimals: _____

Decimals: _____

Fraction: _____

Fraction: _____

5. Enter the 4 sets of decimals and fractions into list **L2** from least to greatest.

Press **LIST** **▶** to **L2**. Enter each number, pressing **ENTER** after each. You can use **UNIT** and **b/c** to enter fractions in a list.

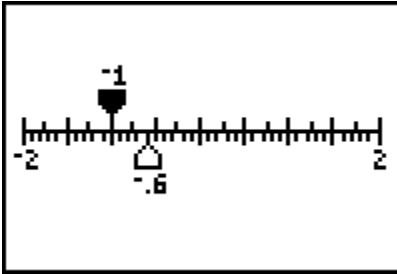
Write the new *ordered* list. _____



Problem 3 – Number Line App

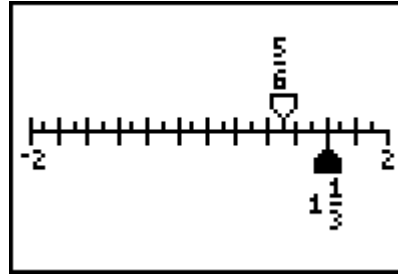
Use the screenshots provided to answer Exercises 6 – 9.

6. Find a fraction between the two given numbers.



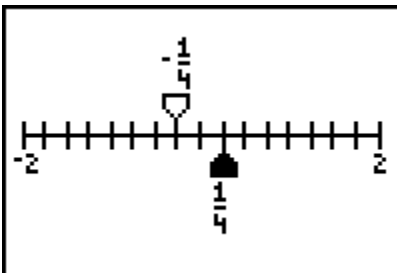
Write the answer. _____

7. Find a decimal between the two given numbers.



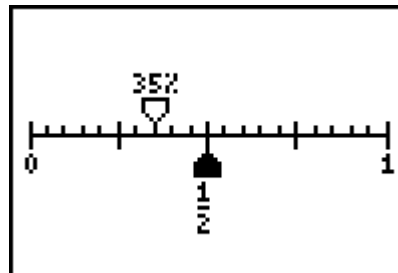
Write the answer. _____

8. Find one positive and one negative fraction between the given numbers.



Write the answer. _____

9. Find a decimal between the two given numbers.



Write the answer. _____

Problem 4 – True or False?

Use $<$ or $>$ on the TI-73 to confirm each statement. Circle True or False.

10. $4\frac{2}{7} > 4.328$

True False

11. $2.787 < 2\frac{8}{11}$

True False

12. $\frac{19}{6} < 3\frac{1}{3}$

True False

13. $75\% < \frac{5}{8}$

True False

14. $0.387 < 40\%$

True False

15. $-\frac{7}{9} < -\frac{8}{11}$

True False

16. Draw a number line and place the 12 numbers from Exercises 10 – 15 on it.