



Ordering Fractions, Decimals, and Percents

Student Activity

Name _____

Class _____

Part 1 – Order Fractions and Decimals

Answer the following questions about the numbers in the list below.

$$\frac{2}{3} \quad 0.6 \quad 0.75 \quad \frac{3}{4} \quad 0.245 \quad 0.25 \quad \frac{1}{3}$$

- Which is the greatest element in the list? _____
Which is the least element in the list? _____
- Are any of the numbers in the list equal? How do you know? Write the answer.

Part 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.

- Write the pair of decimals your partner creates. Find a fraction *between* the decimals.

1st pair

2nd pair

Decimals: _____

Decimals: _____

Fraction: _____

Fraction: _____

- Write the pair of decimals for your partner and the fraction he or she chooses.

1st pair

2nd pair

Decimals: _____

Decimals: _____

Fraction: _____

Fraction: _____

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

Press **[STAT]** **[ENTER]** **[▶]** to **L2**. Enter each number, pressing **[ENTER]** after each. Use the **[ALPHA]** **[F1]** shortcut keys when working with fractions.

Write the new *ordered* list. _____



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Part 3 – True or False?

Use $<$ or $>$ on the TI-84 to confirm each statement. Circle True or False.

6. $4\frac{2}{7} > 4.328$

True False

7. $2.787 < 2\frac{8}{11}$

True False

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

True False

9. $75\% < \frac{5}{8}$

True False

10. $0.387 < 40\%$

True False

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

True False

12. Draw a number line and place the 12 numbers from Exercises 6 – 11 on it.