6.2 Comparing and Ordering Fractions, Decimals, and Percents

- EQ: How do we compare and order fractions, decimals and percents?
- **When comparing and ordering fractions, write the numbers as <u>ALL fractions (with common denominators)</u>,

ALL decimals, OR ALL percents!

BE SURE TO USE your notes from 6.1 to help you CONVERT the numbers to ONE TYPE, then solve.



EXAMPLE 2 Real-Life Application

You, your sister, and a friend each take the same number of shots at a soccer goal. You make 72% of your shots, your sister makes $\frac{19}{25}$ of her shots, and your friend makes 0.67 of his shots. Who made the fewest shots?

Write 72% and $\frac{19}{25}$ as decimals.

You:
$$72\% = 72.\% = 0.72$$
 Sister: $\frac{19}{25}$ 19÷25 = 0.76

Graph the decimals on a number line.



• 0.67 is the least number. So, your friend made the fewest shots.

👂 On Your Own

3. You make 75% of your shots, your sister makes $\frac{13}{20}$ of her shots, and your friend makes 0.7 of his shots. Who made the most shots?



On Your Own

- **1.** Which is greater, 25% or $\frac{7}{25}$? **2.** Which is greater, 0.49 or 94%?