## 5.3 Comparing Mixed Numbers and Improper Fractions

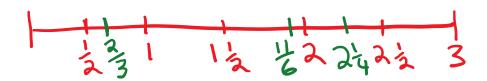
## Strategies to Order Mixed Numbers and Improper Fractions:

- 1. Use benchmarks on a number line and estimate
- 2. Draw a number line for each fraction or mixed number on a number line with equal spacing
- 3. Write each number as an equivalent fraction with the same denominator, then place on a number line.

Example: Order the following numbers 24 / 2 2 nd /

1. Use benchmarks on a number line and estimate

· 3 is between a and 1, but closer to 2 to 2 is the same as 12.12 is close to 2, but less than 2 a is halfway between 2 and 2 a.



2. Draw a number line for each fraction or mixed number on a number line with equal spacing

The denominators are 4,3 and6.

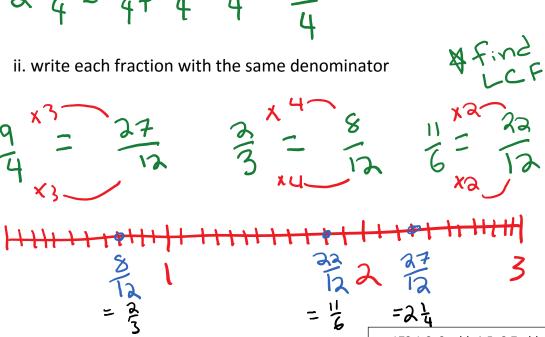
You can divide each numberline in a different way.

24 divide into 3 3's

Hilliam and 4's

6 divide into 6 divide 6 divide

- 3. Write each number as an equivalent fraction with the same denominator, then place on a number line.
  - i. convert any mixed fractions to improper fractions



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