CLASSES

## Fractions, Decimals, and Percentage

Know how to express parts of a whole in different ways! Learn how fractions, decimals, and percentages relate to each other.


## Fractions

- represents the ratio of the number of parts to a whole
- used to express portion of foods and describe time (half hour, quarter hour)

$$
\begin{aligned}
& \text { numerator } \rightarrow 4 \\
& \text { denominator } \rightarrow 4
\end{aligned}
$$

### 0.25

decimal point

## Decimals

- a way to express fractions whose denominator are powers of 10 .
- can be seen on currencies, and measuring devices

- describes the ratio of a part to a hundred - often used in telling discounts, and

25\% phone battery status

How to rewrite fractions, decimals, and percentages

[ Divide numerator
by denominator $]$

$$
\frac{2}{5} \underset{\{2+5]}{\longrightarrow} 0.4 \underset{\{0.4 \times 100]}{\longrightarrow} 40 \%
$$

Percentage
[ Divide by 100 , remove the \% ]
[ Put the number on the numerator and a power of 10 on the denominator, then simplify ]
$65 \% \underset{[65 * 100]}{\longrightarrow} 0.65 \underset{\frac{65}{100}}{\longrightarrow} \frac{13}{20}$
Tip: Count the decimal places that will be the number of zeroes here!

