

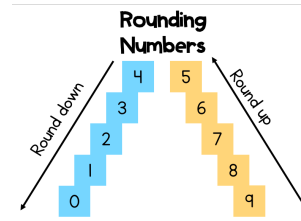
## Rounding in Measurements

### Rounding

The process of cutting the digits of a measurement off at the uncertain digit, and/or when a measurement has run on numbers

### Rounding Rules

1. Always round to the uncertain digit, or 2 digits whatever is less
2. If the number after digit is 0 – 4 round down
3. If the number after digit is 5 – 9 round up



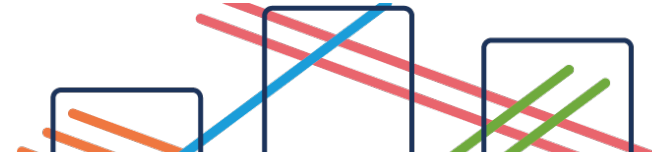
2

## Operations with Accuracy and Precision

### Multiplying and Dividing Measurements

Multiply or Divide Quantities

- Multiplication: Multiply Units Together,  $X \cdot X = X^2$
  - Division: Divide Units Together, cancel out units if on top/bottom
- Round to a maximum of 2 digits after decimal (*or less*)



3