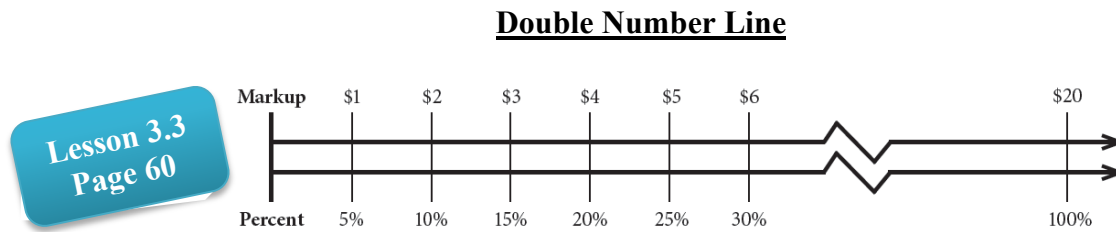# Unit 3 | Percents

Parent Guide

In this unit, percents will be introduced as a ratio that compares a number to 100. We will become flexible moving between fractions, decimals and percents. We will find the percent of a number when given a whole and a percent by using double number lines, equivalent ratios, ratio tables and the percent equation. By the end of Unit 3, we will have the opportunity to apply our understanding of percents in situations involving markups and discounts.

One of the models we will use to understand percents is a double number line.

Double Number Line

| Markup | $1 | $2 | $3 | $4 | $5 | $6 | | $20 |

| Percent | 5% | 10% | 15% | 20% | 25% | 30% | | 100% |

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How You Can Help at Home

- Talk about where you see percentages in the real-world
- Determine the percent of people in your household have certain characteristics (i.e. black hair, speak two languages, are taller than 4 feet, etc).
- Find the amount to leave for a tip when at a restaurant.
- Calculate the cost of items at the store that are a certain percentage off.

Important Vocabulary

Discount

Sales Tax

Markup

Percent

Connecting Math Concepts

Past math topics your child has learned that will be activated in this unit	Future math this unit prepares your child for
➢ Work with decimal fractions. ➢ Using ratios to describe a relationship.	➢ Solving multi-step percent problems. ➢ Modeling with exponential functions.