

Preparing for Pre-Algebra

Mastering Percents

Grades:	5th – 7th
Day of Week:	Thursday
Time of Class:	9:00 am – 10:30 am ET
Length of Class:	10 weeks
Semester:	Spring 2024
Tuition:	\$250.00
Prerequisite:	Students MUST know their multiplication tables (1-10), addition facts (1-20) and subtraction facts (1-20) by HEART. When it comes to these facts, they should be human calculators.

Please note: You can register for the full year Preparing for Pre-Algebra (Fractions, Decimals, and Percents) for \$600.00. Please look for that option!

Class Dates:

Week 1: March 27, 2024

Week 2: April 3, 2024

Week of April 8: No Classes due to Eid Holiday – Eid Mubarak to our Muslim families!

Week 3: April 15, 2024

Weeks of April 22 & 29: No Classes – Spring Break – Happy Passover to our Jewish families!

Week 4: May 8, 2024

Week 5: May 15, 2024

Week 6: May 22, 2024

Week 7: May 29, 2024

Week 8: June 5, 2024

Week 9: June 12, 2024

Week 10: June 19, 2024

Make-Up Day (if needed): June 26, 2024

Instructor's Name:	Jonathan Meola
Instructor's Email:	jonathan@opententacademy.com
Instructor's Phone:	703.982.0684

Description of Class:

Percents are a HUGE, and often intimidating topic; however, it is NEEDED in every part of daily life. This 10-week course will take a slow pace with the mindset of understanding all ways for computing all types of percents so that they will be ready for pre-algebra.

Class Approach:

During class students can expect to participate in a warm-up activity, have an opportunity to ask questions on the previous homework assignment, and learn new material while completing problems alongside me. . The “I do, we do, you do” approach is used for the instruction of new material. Completion of problems will gradually shift from the instructor modeling how to complete the problems to the student completing problems on their own.

Textbook:

Note packet is included for each lesson.

Students MUST have this in front of them for each class.

Additional Supplies/Resources Needed:

- Access to a computer
- Internet Access
- Printer
- Printer Paper
- Printer Ink

Weekly Homework:

Approximately one - two hours a week; assignments will reinforce what students learned in class.

Homework Policy:

Homework will be due prior to class for learners to receive full credit unless arrangements have been made in advance.

Additional Policies:

- Honesty.
- Integrity.
- Respect.

Grading Scale:

- 100-91: A
- 90-80: B
- 79-70:C
- 69-66: D
- 65 and below - No effort: F

Anticipated Weekly Course Schedule:

Week	Topic
Week 1	Percent Means Hundredths All and None Percents One Half and One Fourth as Percents 100% Makes All
Week 2	Floor Plans Recommended Daily Allowances (RDA) of Vitamins Double and Triple as Percents Practice with Percents One Tenth as a Percent One Hundredths as a Percent
Week 3	Practice with 1% and 10% Finding a Percent of a Number Estimating Percents Percent is Based off of 100 Test for Weeks 1, 2 and 3
Week 4	Multiplying and Dividing by One to Make Equal Fractions Using Cross Products to Make Equal Fractions Writing a Percent Statement as a Fraction Problem
Week 5	Using Fractions to Solve Percent Problems Election Results Story Problems
Week 6	Writing Percents as Fractions Percents with Mixed Numbers and Fractions Wastebasketball Story Problems
Week 7	Writing Fractions as Percents Everyday Fractions as Percents Using Everyday Percents Percent Sense or Percent Nonsense Test for Weeks 4, 5, 6 and 7
Week 8	Hundredths as a Decimal Percents as a Decimals Writing Decimals in Simplest Form Writing Money Amounts Percents as Decimals in Simplest Form
Week 9	Multiplying Decimal Numbers Writing a Percent Problem as a Decimal Multiplication Problem Using Decimal Numbers to Solve Percent Problems A 10% Shortcut A 1% Shortcut 1% and 10% Problems
Week 10	Estimating Percents Story Problems Using Percents in Retail Tax and Savings on a Calculator Leaving a Tip at a Restaurant Test on Weeks 8, 9 and 10

