



# New Course FACT Sheet 2025-2026

## Course Title: Math 8/7

### Teacher Contact Information:

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- The best time to reach me is: Monday, Wednesday and Friday 9-3

**\*\*In case of an emergency please feel free to text me at anytime and I will get back to you as soon as I can\*\***

### Course Overview:

- This course is an introduction to numbers and fundamental math concepts that will help develop a good foundation for upper math.

**Supplies lists are provided on the TRA Website.**

### Goals:

**“The power of yet! I can’t do this....yet! I’m not good at this.....yet! I don’t understand this....yet! It doesn’t work....yet! This doesn’t make sense....yet!”**

Math is a journey. My **heart** is for students to grab a hold of each math topic we learn, in the manner that they best learn. Visual tools, problem solving techniques and simply thinking outside of the box can be the difference between a child struggling with math forever or knowing that there is a way for them to make sense of the concept. **We will get there!**

### The Successful Student:

- Is polite and have good manners at all times! (See the Code of Conduct)
- Keeps current with all assignments.
- Does all of their own work with honesty and integrity
- Asks questions and ask for help when they need it.
- Is ALWAYS be prepared for class, that includes course material, paper, and writing utensils.

### The Successful Parent:

- Be aware of the current assignments for their students.
- Oversee the work at home making sure that students complete the assignments.
- Provide the materials the students need to be successful in this class.
- Proctor the Take-Home Tests, signing and sealing them to be returned to class
- Contact the teacher if there are any problems ASAP
- Check grades every week to see how their child is doing! This is IMPERATIVE. I do not put grades on student’s work; I post them to this site with notes, if needed.

### Homework Policy:



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Take homework seriously. Homework is used as a tool to sharpen the skills that you have learned during the week and constantly reminding you of the skills you will need to use as building blocks for new mathematical concepts.

- Your homework is expected to be submitted on time.
- Homework will NOT be accepted more than 2 weeks late.
- If unforeseen circumstances are communicated between the teacher and parents and makeup work will be coordinated accordingly.

## Week-by-Week Overview

| Semester I  | Semester II   |
|---|---|
| <b>Week 1</b> Adding and subtracting whole #'s, properties of operation, missing #'s in add & sub                 | <b>Week 19</b> Multiplying rates, ration word problems, average part 2  |
| <b>Week 2</b> Number line, place value, whole #'s, factors and divisibility.                                      | <b>Week 20</b> Subtracting mixed measures, negative exponents, scientific notation for small numbers, line symmetry; functions part 1                         |
| <b>Week 3</b> Lines and angles, fractions and %, fraction and reciprocal  | <b>Week 21</b> Adding integers on a number line, fractional part of a number part 1, % of a number part 1, area of a parallelogram, angles of a parallelogram |
| <b>Week 4</b> Mixed numbers; improper fractions; problems about combining and separating, comparing; elapsed time | <b>Week 22</b> Classifying triangles, symbols of inclusions, adding signed numbers  |
| <b>Week 5</b> Equal groups, parts of a whole, equivalent fractions, reducing fraction part 1                      | <b>Week 23</b> Ration problems w/ totals, circumference and Pi, geometric solids  |
| <b>Week 6</b> Using a protractor, polygons; similar and congruent   | <b>Week 24</b> Algebraic functions, more on scientific notation, volume, finding the whole if a fraction is known   |
| <b>Week 7</b> Perimeter, exponents, area, square roots, prime & composite numbers, prime factorization            | <b>Week 25</b> Implied ratios, multiplying and dividing signed numbers  |
| <b>Week 8</b> Fraction of a group problems, subtracting mixed numbers with regrouping, reducing fractions part 2  | <b>Week 26</b> Fractional part of a number part 2, area of a complex figure; area of a trapezoid, complex fractions   |
| <b>Week 9</b> Dividing fractions, must and div mixed #'s, multiples LCM   | <b>Week 27</b> Percent of a # part 2, graphing inequalities, insufficient info; quantitative comparisons  |
| <b>Week 10</b> 2-step word problems, rounding and estimation, common denominator, add and sub fractions           | <b>Week 28</b> Transformations, using proportions to solve percent problems, area of a circle   |
| <b>Week 11</b> Reading & writing decimal #'s, metric system, comparing decimals, rounding decimals                | <b>Week 29</b> Mult powers of 10; scientific notation, algebraic terms, order of operations   |
| <b>Week 12</b> Decimal #'s and # line, add sub multi div decimal numbers,   | <b>Week 30</b> Number families, multiplying algebraic terms, multiple unit multipliers; converting units of area  |



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|--|---|
| <b>Week 13</b> Ratio; simple probability, area of a triangle, interpreting graphs, proportions                                   | <b>Week 31</b> Diagonals; interior angles; exterior angles; mixed number coefficients negative coefficients       |
| <b>Week 14</b> Sum of all angles, measures of a triangle, angle pairs, using formulas; distributive property, repeating decimals | <b>Week 32</b> Evaluations w/ signed numbers (91 & 92), two-step equations and inequalities, compound probability |
| <b>Week 15</b> Converting decimals, percents fractions   | <b>Week 33</b> Volume of a right solid, distributive property, similar triangles; indirect measurements           |
| <b>Week 16</b> Division answers, dividing by a decimal #, unit price; rates; sales tax   | <b>Week 34</b> Scale and scale factor, pythagorean Theorem, Pythagorean theorem worksheet                         |
| <b>Week 17</b> Powers of 10, fraction-decimal percent equivalents, adding mixed measures   | <b>Week 35</b> Building equations, slope, graphing lines worksheet  |
| <b>Week 18</b> Unit multipliers and unit conversions, scientific notation for large #'s, Order of operation                      | <b>Week 36</b> Graphing lines, equations, pythagorean theorem and graphing lines worksheet.                       |

*This schedule is an overview. TRA reserves the right to make changes during the school year.*