

**Purpose:** Prepare for MathCounts & AMC Contests

**Homework:** 2005-2006 (1<sup>st</sup> semester) and 2006-2007 (2nd semester) MathCounts Handbooks

| 1st Sem  | Fri      | Sat      | Content                              | HW Due    |
|----------|----------|----------|--------------------------------------|-----------|
| 1.       | 9/8/17   | 9/9/17   | Orientation & Assessment             |           |
| 2.       | 9/15/17  | 9/16/17  | MathCounts Tool Box                  | WU-1, 2   |
| 3.       | 9/22/17  | 9/23/17  | Pythagorean Theorem and Triples      | WU-3, 4   |
| 4.       | 9/29/17  | 9/30/17  | Angle Relationships                  | WU-5, 6   |
| 5.       | 10/6/17  | 10/7/17  | Mock#1                               | WU-7, 8   |
| 6.       | 10/13/17 | 10/14/17 | Contest#1                            | WU-9, 10  |
| 7.       | 10/20/17 | 10/21/17 | Special Triangles                    | WU-11, 12 |
| 8.       | 10/27/17 | 10/28/17 | Triangle Inequality                  | WU-13, 14 |
| 9.       | 11/3/17  | 11/4/17  | Polygons and Parallelograms          | WU-15, 16 |
| 10.      | 11/10/17 | 11/11/17 | Mock#2                               | WU-17     |
| 11.      | 11/17/17 | 11/18/17 | Contest#2                            | WU-18     |
| Tkgiving | 11/24/17 | 11/25/17 | NO class                             | NO class  |
| 12.      | 12/1/17  | 12/2/17  | Perimeter and Area                   | WO-1, 2   |
| 13.      | 12/8/17  | 12/9/17  | Circles                              | WO- 3, 4  |
| 14.      | 12/15/17 | 12/16/17 | Solid Figures                        | WO- 5, 6  |
| Xmas     | 12/22/17 | 12/23/17 | NO class                             | NO class  |
| New Yr   | 12/29/17 | 12/30/17 | NO class                             | NO class  |
| 15.      | 1/5/18   | 1/6/18   | Mock#3                               | WO- 7     |
| 16.      | 1/12/18  | 1/13/18  | Contest#3                            | WO- 8     |
| 17.      | 1/19/18  | 1/20/18  | Coordinate Geometry                  | WO- 9     |
| 2nd Sem  | Fri      | Sat      | Content                              | HW Due    |
| 1.       | 1/26/18  | 1/27/18  | 3D Geometry                          | Stretch#1 |
| 2.       | 2/2/18   | 2/3/18   | Radical Expressions                  | WU-1, 2   |
| 3.       | 2/9/18   | 2/10/18  | Percentage Change and Mixture        | WU-3, 4   |
| Wntr Brk | 2/16/18  | 2/17/18  | NO class                             | NO class  |
| 4.       | 2/23/18  | 2/24/18  | Mock#4                               | WU-5, 6   |
| 5.       | 3/2/18   | 3/3/18   | Contest#4                            | WU-7, 8   |
| 6.       | 3/9/18   | 3/10/18  | Factorial                            | WU-9, 10  |
| 7.       | 3/16/18  | 3/17/18  | Factoring, number and sum of factors | WU-11, 12 |
| 8.       | 3/23/18  | 3/24/18  | Prime Factorization                  | WU-13, 14 |
| 9.       | 3/30/18  | 3/31/18  | Mock#5                               | WU-15, 16 |
| 10.      | 4/6/18   | 4/7/18   | Contest#5                            | WU-17     |
| Sp Brk   | 4/13/18  | 4/14/18  | NO class                             | NO class  |
| 11.      | 4/20/18  | 4/21/18  | Number Bases                         | WU-18     |
| 12.      | 4/27/18  | 4/28/18  | Transformation Stretch               | WO-1, 2   |
| 13.      | 5/4/18   | 5/5/18   | Probability                          | WO- 3, 4  |
| 14.      | 5/11/18  | 5/12/18  | Permutations/combinations            | WO- 5, 6  |
| 15.      | 5/18/18  | 5/19/18  | Counting- Pigeonhole Theorem         | WO- 7     |
| 16.      | 5/25/18  | 5/26/18  | Statistics                           | WO- 8     |
| 17.      | 6/1/18   | 6/2/18   | Games and Party                      | WO- 9     |

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