

Trimester 1

Unit - Place Value of Whole Numbers

Students will be able to:

1. Write numbers to 1,000,000 in standard form, word form, and expanded form.
2. Compare and order numbers to 1,000,000.
3. Identify how much more or less one number is than another number.
4. Round multi-digit whole numbers to any place.
5. Recognize that in a multi-digit whole number (through 1,000,000), a digit in one place represents ten times what it represents in the place to its right.

Timeframe	Resources	
8-10 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● <u>Resource List</u> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Chapter 1 Text - Lessons 1.1& 1.2 <ul style="list-style-type: none"> ○ <i>*MIF only goes to 100,000 while eligible content requires students to apply place value concepts to 1,000,000</i> ● MIF Reteach, Extra Practice, Enrichment ● MIF Performance Assessments ● Bank of Anchor Tasks/Journal Prompts ● Supplemental resources needed to address: <ul style="list-style-type: none"> ○ Place value concepts through 1,000,000 ○ Rounding of multi-digit numbers 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Place Value Charts and Chips ● Number Lines ● Base 10 blocks <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 1 Summative Assessment - Mid September		

Unit 2 - Operations: Addition, Subtraction, Multiplication & Division

Students will be able to:

1. Add multi-digit numbers without regrouping.
2. Add multi-digit numbers with regrouping.
3. Subtract multi-digit numbers without regrouping.
4. Subtract multi-digit numbers with regrouping.
5. Round numbers to estimate sums and differences.
6. Estimate to check that an answer is reasonable.
7. Decide whether an estimate or an exact answer is needed.
8. Identify the missing symbols that make a number sentence true.
9. Round numbers to estimate products.
10. Estimate to check that an answer is reasonable.
11. Decide whether an estimate or an exact answer is needed.
12. Use different methods to multiply up to 4-digit numbers by 1-digit numbers with or without regrouping such as arrays, area models, algorithm, etc.
13. Multiply a 2-digit whole number by another 2-digit whole number, with or without regrouping.
14. Model regrouping in division.
15. Divide a 3-digit number by a 1-digit number with regrouping.
16. Divide up to a 4-digit number by a 1-digit number with regrouping, and with or without remainders.
17. Solve real-world problems.

Timeframe	Resources	
15 - 18 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● <u>Resource List</u> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 1.2.a and 1.2.b (Addition and Subtraction of multi-digit numbers) ○ 2.1 (Estimating sums and differences) ○ 2.1 (Estimating products only) ○ 3.1, 3.2, 3.5 (Multiplication Word Problems) ○ 3.3, 3.4, and 3.5 (Division Word Problems) ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Place Value Charts and Chips ● Base 10 blocks
Assessment Window		<p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
<p>Unit 2A Summative Assessment - Late September</p> <p>Unit 2B Summative Assessment - Mid/Late October</p>		

Unit 3 - Operations: Factors & Multiples		
<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Will be able to determine the differences between factors and multiples. 2. Find factor pairs for numbers 1 through 100 and understand the given pair are multiples. 3. Recognize numbers 1-100 as prime or composite. 4. Find multiples of numbers. 		
Timeframe	Resources	
8 -10 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● <u>Resource List</u> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 2.2 (Factors) ○ 2.3 (Multiples) ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 3 Summative Assessment - Late October / Early November		

Trimester 2

Unit 4 - Operations: Fraction Concepts

Students will be able to:

1. Compare unlike fractions using the symbols $>$, $=$, or $<$.
2. Find equivalent fractions.
3. Add fractions and mixed numbers with common denominators.
4. Subtract fractions and mixed numbers with common denominators.
5. Add fractions with unlike denominators 10 & 100
6. Draw models to represent fractions and mixed numbers.
7. Decompose fractions and mixed fraction.
8. Express mixed numbers as improper fractions.
9. Use a model to represent fractions of a set.
10. Find a fractional part of a whole number.
11. Multiply a fraction and a whole number.
12. Solve real world problems involving fractions.

Timeframe	Resources	
20 - 22 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● <u>Resource List</u> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lesson: <ul style="list-style-type: none"> ○ 3rd Grade: 14.2, 14.3, 14.4, 14.5 ○ 4th Grade: 6.7a (Multiplying a fraction by a whole number) ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Place Value Charts and Chips ● Base 10 blocks <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
<p>Unit 4A Summative Assessment - Mid / Late November</p> <p>Unit 4B Summative Assessment - Mid December</p>		

Unit 5 - Decimals

Students will be able to:

1. Add two fractions with respective denominators 10 and 100.
2. Use decimal notation for fractions with denominators 10 and 100.
3. Compare two decimals to hundredths using $<$, $=$, or $>$ and justify.

Timeframe	Resources	
10 - 12 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 7.1, 7.2, 7.3, 8.3 (Decimals and Real World Problems) ○ 10.3 (Grade 3 Math in Focus - Real World Problems - Money) ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Place Value Charts and Chips ● Base 10 blocks ● US coins <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 5 Summative Assessment - Mid / Late January		

Unit 6 - Represent and Interpret Data & Patterns

Students will be able to:

1. Construct a line plot to display fractional units.
2. Add and subtract fractions that are presented on a line plot.
3. Transfer data between types of data displays.
4. Identify and create a number and shape pattern that follows a given rule.
5. Understand the functions of a function table by determining the rule and missing elements in a table. Limited to +, - or X.

Timeframe	Resources	
10 - 12 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 4.1, 4.2, 4.3 (Tables and Line Graphs) ○ 6.8a (Focus Lesson - Line Plots with Fractions of a Unit) ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 6 Summative Assessment - Mid February		

Trimester 3

Unit 7 - Geometry

Students will be able to:

1. Classify two-dimensional figures by their sides..
2. Draw points, lines, line segments, rays, angles, perpendicular and parallel lines.
3. Recognize and identify right triangles.
4. Recognize and draw lines of symmetry in two-dimensional figures.
5. Measure and draw angles using a protector.
6. Find unknown angles in real-world and mathematical problems.

Timeframe	Resources	
15 - 18 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 9.1, 9.2, 10.1, 10.2, 10.3, 11.1, 11.2, 13.1, 13.3 (Angles, Perpendicular and Parallel Line Segments, and Squares and Rectangles, Symmetry) ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Protractors ● 2-D figures <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 7 Summative Assessment - Early / Mid March		

Unit 8 - Perimeter & Area		
<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Find a missing side in length for perimeter and area. 2. Using perimeter and area to comprehend and work through real-world problems. 3. Calculate perimeter and area. 		
Timeframe	Resources	
5 - 8 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 12.1, 12.2, 12.4 (Perimeter and Area) ● Formula Sheet ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Measuring Tools <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 8 Summative Assessment - Mid / Late March		

Unit 9 - Measurement: US Standard Units		
<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Identify conversions within one system of unit from the larger unit to the smaller unit. 2. Calculate conversions within one system of unit from the larger unit to the smaller unit (in, ft, yd, mi; oz, lb; and c, pt, qt, gal). 3. Solve world problems using distance, liquid volume, and mass. 		
Timeframe	Resources	
4 - 5 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus: 15.1, 15.2, 15.3 (Customary Length, Weight, and Capacity MIF Grade 3) ● Formula Sheet ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Measuring Tools <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 9 Summative Assessment - Late March		

Unit 10 - Measurement: Metric Standard Units

Students will be able to:

1. Identify conversions within one system of unit from the larger unit to the smaller unit.
2. Calculate conversions within one system of unit from the larger unit to the smaller unit (cm, m, km; g, kg; and mL, L).
3. Solve world problems using distance, liquid volume, and mass.

Timeframe	Resources	
4 -5 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math in Focus Lessons: <ul style="list-style-type: none"> ○ 11.1, 11.2, 11.3 11.4 (3rd Grade MIF) ● Formula Sheet ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Measuring Tools <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 10 Summative Assessment - Early April		

Unit 11 - Time

Students will be able to:

1. Identify time using digital and analog clocks.
2. Identify the time before and after an hour.
3. Identify conversions within one system of unit from the larger unit to the smaller unit.
4. Calculate conversions within one system of unit from the larger unit to the smaller unit (sec, min, hr, day, wk, mo, and yr).
5. Solve real-world problems using elapsed time.

Timeframe	Resources	
5 - 8 Days	<p><u>Digital/Print Resources</u></p> <ul style="list-style-type: none"> ● Greg Tang Math <ul style="list-style-type: none"> ○ Information Document ○ Grade Level Scope & Sequence ● Math In Focus Lessons: <ul style="list-style-type: none"> ○ 16.1, 16.2, 16.2, 16.3, 16.4, 16.5 (Time MIF 3rd Grade) ● Formula Sheet ● Bank of Anchor Tasks/Journal Prompts 	<p><u>Materials/Manipulatives</u></p> <ul style="list-style-type: none"> ● Clock <p><u>Technology Resources</u></p> <ul style="list-style-type: none"> ● iPad (Xtra Math, Prodigy, Think Central, NCTM website, additional apps/sites)
Assessment Window		
Unit 11 Summative Assessment - Mid April		