# GHSGT Diagnostic TEST #2 Name:

## Numbers and Computations (Weight:17 – 19%)

| Topic | Test Questions | Count | Score ( ___ / 13) |
|---|---|---|---|
| Multiple Representations of Numbers (M2) | 2 | | ___ / 1 |
| Understanding Scientific Notation (M2) | 3 | | ___ / 1 |
| Number Properties (associative, etc.) (M3) | 61, 65 | | ___ / 2 |
| Appropriate Estimation Techniques (M4, M6,M7) | 6, 9, 12, 25 | | ___ / 4 |
| Discount, Interest, Taxes, and Sales (M5) | 4,7 | | ___ / 2 |
| Exact, Approximate, & Types of Numbers (M9) | 5,11 | | ___ / 2 |
| Order of Operations | 63 | | ___ / 1 |

## Data Analysis (Weight: 19 – 25%)

| Topic | Test Questions | Count | Score( ___ / 14) |
|---|---|---|---|
| Probability (M10) | 13, 14, 60 | | ___ / 3 |
| Graphs, Charts, Tables, Diagrams (M11, M13, M14) | 16, 17,18, 19, 57,58, 66 | | ___ / 7 |
| Mean, Median, Mode, Range (M15, M16) | 20, 21, 22, 23 | | ___ / 4 |

## Measurements and Geometry (Weight: 32 – 34%)

| Topic | Test Questions | Count | Score ( ___ / 22) |
|---|---|---|---|
| Geometric Terms and Definitions (M31) | 37, 38, 39, 40, 43, 44 | | ___ / 6 |
| Estimate Metric & Standard Measures(M18, 19,M21) | 24 | | ___ / 1 |
| Estimates & Solves Problems with Measurements. (M20) | 29, 36, 42 | | ___ / 3 |
| Transformations (M22) | 50 | | ___ / 1 |
| Ratios, Similar Fig., Scaled Drawing (M23, M24, M40) | 32, 59, 62 | | ___ / 3 |
| Graphing Points (M25) | 33 | | ___ / 1 |
| Perimeter, Circumference, and Area (M26, M27) | 10, 45, 64 | | ___ / 3 |
| Volume & Formulas (M26, M27) | 28 | | ___ / 1 |
| Pythagorean Theorem (M32) | 47 | | ___ / 1 |
| Solving for Unknown Angles (M31) | 34, 41 | | ___ / 2 |

## Algebra (Weight: 28 – 30%)

| Topic | Test Questions | Count | Score ( ___ / 17) |
|---|---|---|---|
| Simplify Expressions & Solve Equations (M33, M38) | 49, 54, 55 | | ___ / 3 |
| Translate words into Algebra (M37) | 1, 8, 27, 48, 53 | | ___ / 5 |
| Using Formulas, Evaluating Expressions (M34,M35) | 30, 46, 51 | | ___ / 3 |
| Ratio and Proportions (M36, M39) | 26, 31, 52, 56 | | ___ / 4 |
| Solve Inequalities & Systems of Eq (M41, M44) | 15 | | ___ / 1 |
| Graphing Lines (M42, M43) | 35 | | ___ / 1 |