# TSI Study Prep Video Reviews & Practice Tests

Click on the subject (Math, Reading, or Writing) and enter the code next to the topic you wish to review. There are two practice tests (at the end of this doc) that you can take online.

### **Math**

Rational & Irrational Numbers - Code 280645

Ordering Rational Numbers - Code 419578

Mathematical Operations - Code 208095

Mathematical Parentheses - Code 978600

Introduction to Exponents - Code 600998

Roots - Code 795655

Square Root and Perfect Squares - Code 648063

Subtracting Large Numbers - Code 603350

Introduction to Exponents - Code 600998

Roots - Code 795655

Square Root and Perfect Squares - Code 648063

Subtracting Large Numbers - Code 603350

Adding and Subtracting Fractions - Code 378080

Improper Fractions and Mixed Numbers - Code 473632

Decimals - Code 837268

Adding and Subtracting Decimals - Code 381101

How to Multiply Decimals - Code 731574

How to Divide Decimals - Code 560690

Dividing Decimals by Whole Numbers - Code 535669

Computation with Percentages - Code 693099

Converting Decimals, Improper Fractions, and Mixed Numbers - Code 696924

Proportions - Code 505355

Ratios - Code 996914

Rates and Unit Rates - Code 185363

Finding the Slope of a Line - Code 766664

Cross Multiply Fractions - Code 893904

Slope-Intercept and Point-Slope Forms - Code 113216

Linear Equations Basics - Code 793005

Rules for Manipulating Equations - Code 838871

Solving Equations by Combining Like Terms - Code 668506

Solving One-Step Equations - Code 777004

Solving Equations Involving Roots - Code 297670

Solving Equations with Exponents - Code 514557

Solving Equations with Variables on Both Sides - Code 402497

Cartesian Coordinate Plane and Graphing - Code 115173

Solving Multi-Step Inequalities - Code 347842

Solving Inequalities Using All 4 Basic Operations - Code 401111

Conditional and Absolute Inequalities - Code 980164

Graphing Linear Inequalities - Code 439421

Compound Inequalities - Code 786318

Solving Absolute Value Inequalities - Code 997008

Solving Inequalities Involving Square Roots - Code 800288

Graphing Solutions to Inequalities - Code 391281

Solving Systems and Linear Equations - Code 746745

The Substitution Method - Code 565151

Substitution and Eliminations - Code 958611

The Elimination Method - Code 449121

Solving Systems by Graphing - Code 634812

Polynomials - Code 305005

Adding and Subtracting Polynomials - Code 124088

Multiplying Terms Using the FOIL Method - Code 854792

Rational Expressions - Code 415183

Reducing Rational Expressions - Code 788868

Quadratic Equations Overview - Code 476276

Solutions of a Quadratic Equation on a Graph - Code 476276

Using the Quadratic Formula - Code 163102

Factoring Quadratic Equations - Code 336566

Completing the Square - Code 982479

Definition of Function - Code 784611

Domain and Range - Code 778133

Domain and Range of Quadratic Functions - Code 778133

Even and Odd Functions - Code 278985

Common Functions - Code 629798

Graphing Linear Functions - Code 69947

Piecewise Functions - Code 707921

Metric System Conversion - How the Metric System Works - Code 163709

Measurement Conversions - Code 316703

Intro to Polygons - Code 271869

Sum of Interior Angles - Code 984991

What is a Congruent Shape? - Code 492281

Symmetry - Code 528106

Proof that a Triangle is 180 Degrees - Code 687591

Area and Perimeter of a Triangle - Code 853779

Area of Any Triangle - Code 138510

Centroid, Incenter, Circumcenter, and Orthocenter - Code 598260

Introduction to Types of Triangles - Code 511711

General Rules (Triangle Inequality Theorem) - Code 166488

Similar Triangles - Code 398538

Pythagorean Theorem - Code 906576

Law of Sines - Code 206844

Law of Cosines - Code 158911

Diagonals of Parallelograms, Rectangles and Rhombi - Code 320040

Area and Perimeter of a Trapezoid - Code 587523

How to Find the Area and Perimeter of a Parallelogram - Code 718313

Area and Perimeter of Rectangles and Squares-Code 428109

Points of a Circle - Code 420746

The Diameter, Radius, and Circumference of Circles- Code 448988

Area and Circumference of a Circle - Code 243015

Volume and Surface Area of a Sphere-Code 786928

How to Calculate the Volume of 3D Objects - Code 163343

Volume and Surface Area of a Rectangular Prism-Code 282814

Volume and Surface Area of a Cube - Code 664455

Finding the Volume and Surface Area of a Right Circular Cylinder- Code 226463

Finding the Volume and Surface Area of a Pyramid - Code 621932

Volume and Surface Area of a Right Circular Cone-Code 573574

Intro to Probability - Code 212374

Empirical Probability-Code 513468

Conditional Probability - Code 397924

Multiplication Rule- Code 782598

Statistical Range - Code 778541

Skew- Code 661486

All About Averages - Code 176521

Pictographs-Code 147860

How to Create a Line Graph - Code 480147

Mean, Median, and Mode - Code 286207

Data Interpretation of Graphs - Code 200439

Line Plot - Code 754610

Stem and Leaf Plots - Code 302339

#### Box and Whisker Plots-Code 810817

# Reading

What is Syntax - Code 242280

Style, Tone, and Mood - Code 416961

Point of View - Code 383336

Themes in Literature - Code 732074

How to Make a Story Map - Code 261719

Conflict - Code 559550

Determining Relationships in a Story - Code 929925

Character Changes - Code 408719

Figures of Speech - Code 111295

Figurative Language - Code 584902

Alliterations Are All Around - Code 462837

Personification - Code 260066

Similes - Code 642949

Metaphors in Writing - Code 133295

Hyperbole and Understatement - Code 308470

What is the Definition of Irony? - Code 374204

Allusions - Code 294065

What is Comic Relief? - Code 779604

Informative Text - Code 924964

Explicit and Implicit Information - Code 735771

Technical Passages - Code 478293

Understanding the Author's Intent - Code 511819

Author's Position - Code 827954

Predictive Reading - Code 437248

Textual Evidence for Predictions - Code 261070

Inference - Code 379203

How to Support a Conclusion - Code 281653

Organizational Methods to Structure Text - Code 606263

Sequence of Events in a Story - Code 807512

Cause and Effect - Code 725944

Rhetorical Strategy of Cause and Effect Analysis - Code 725944

Compare and Contrast - Code 798319

Sequence - Code 489027

Topics and Main Ideas - Code 407801

Supporting Details - Code 396297

Author's Position - Code 827954

Comparing Two Stories - Code 833765

Outlining - Code 584445

Graphic Organizers - Code 665513

Summarizing Text - Code 172903

Using Rhetorical Strategies for Persuasion - Code 302658

Textual Evidence - Code 486236

Author Credibility - Code 827257

Emotional Language in Literature - Code 759390

Argumentative Writing - Code 561544

Fact or Opinion - Code 870899

Bias and Stereotype - Code 644829

Affixes - Code 782422

Determining Word Meanings - Code 894894

What are Synonyms and Antonyms? - Code 105612

Connotation and Denotation - Code 310092

Word Usage in Sentences - Code 197863

Context Clues - Code 613660

What is a Noun? - Code 344028

Nouns and Pronouns - Code 312073

Action Verbs and Linking Verbs - Code 743142

Present Perfect, Past Perfect, and Future Perfect Verb Tenses - Code 269472

Descriptive Text - Code 174903

Function of Articles - Code 449383

What is an Adjective? - Code 470154

What is an Adverb? - Code 713951

Adverbs that Modify Adjectives - Code 122570

Prepositions - Code 946763

Coordinating and Correlative Conjunctions - Code 390329

Adverb Equal Comparisons - Code 231291

Subordinating Conjunctions - Code 958913

Subjects in English - Code 444771

Subject-Verb Agreement - Code 479190

Direct and Indirect Objects - Code 817385

Pronoun Usage - Code 666500

What is a Pronoun-Antecedent Agreement? - Code 919704

What is a Clause? - Code 940170

Independent and Dependent Clauses - Code 556903

Adjective Clauses and Phrases - Code 520888

Verbals - Code 915480

Parallel Sentence Construction - Code 831988

Sentence Structure - Code 700478

Fragments and Run-on Sentences - Code 541989

Question Marks - Code 118471

Exclamation Points - Code 199367

When to Use a Comma - Code 786797

How to Use Semicolons - Code 370605

Colons - Code 868673

Parentheses - Code 947743

Quotation Marks - Code 884918

When to Use an Apostrophe - Code 213068

Punctuation Errors in Possessive Pronouns - Code 221438

Hyphens - Code 981632

Brackets - Code 727546

## **Writing**

Writing Purpose and Audience - Code 146627

Essay - Introduction - Code 961328

Thesis Statements - Code 691033

Drafting Body Paragraphs - Code 724590

How to Write a Good Paragraph - Code 682127

Sequence - Code 489027

Transitions in Writing - Code 233246

What are Transition Words - Code 707563

How to Effectively Connect Sentences - Code 948325

Standard Deviation - Code 419469

Drafting Conclusions - Code 209408

#### **TSI Practice Tests**

TSI Math Practice Test
TSI ELAR Practice Test