TCAP/EOC Topical Analysis

Tammy L. Jones

TammyJones@TLJConsultingGroup.com
Materials

• Materials referenced in today’s presentation are available at
  – www.TLJConsultingGroup.com
NCTM PROCESS STANDARDS
Every Day/Every Week

- PROBLEM SOLVING
- REASONING & PROOF
- COMMUNICATIONS
- CONNECTIONS
- REPRESENTATION
3rd Grade TCAP Analysis

- Mult. Rep. Multiplication & Division including Problem Solving: 27%
- Mult. Rep. of & Operating w/ Fractions: 15%
- Data Analysis: 14%
- Place Value: 8%
- Measurement: 8%
- Calendar, Time & Money: 8%
- 2D - 3D Geometric Shapes: 7%
- Algebraic Patterns & Properties: 6%
- Congruent Figures: 3%
- Symmetry: 3%
- Perimeter: 1%
4th Grade TCAP Analysis

- Mult. Rep. Decimals & Fractions & Place Value: 28%
- Measurement, including Dimensional Analysis: 13%
- Data Analysis: 10%
- Mut. Rep. of Patterns & Algebraic Expressions: 8%
- Representing & Solving Multi-step Contextual Problems: 6%
- Coordinate Graphing: 5%
- Angles: 4%
- Area & Perimeter: 4%
- Probability: 3%
- Proportions: 3%
- Money: 3%
- Common Factor: 3%
- Lines: 3%
- 2-D and 3-D shapes: 3%
- Transformational Geometry: 1%

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6th Grade TCAP Analysis

- **Mult. Rep. & Prob Solving w/ Decimals & Fractions & Integers**
- **Mult. Rep. Algebraic Expressions, Patterns, & Equations**
- **Areas, Surface Areas, Volumes**
- **Data Analysis**
- **Proportions**
- **ID Geometric Figures**
- **Probability**
- **Estimation**
7th Grade TCAP Analysis

- Evaluating Expressions: 19%
- Data Analysis: 15%
- Mult. Rep. Problem Solving & Proportions: 12%
- Applications of Scale Factor: 7%
- Rate of Change: 5%
- Similar Triangles: 4%
- Proving Triangle Similar: 3%
- Probability: 2%
- Integers: 2%
- Mult. Rep. ratios: 1%
- Other: 4%
8th Grade TCAP Item Analysis

- Problem Solving - Unit Rates: 39%
- Rational & Irrational Numbers: 10%
- Probability: 9%
- Pythagorean Theorem: 7%
- Quadratics: 7%
- Parallel Lines & Related Angles: 4%
- Dimensional Analysis: 4%
- Intersecting 2-D Figures: 4%
- Scientific Notation: 4%
- Mult. Rep. Linear Functions, Inequalities, & Non-Linear Scien
tic Notation: 4%
- Problem Solving - Unit Rates: 39%
- Rational & Irrational Numbers: 10%
- Probability: 9%
- Pythagorean Theorem: 7%
- Quadratics: 7%
- Parallel Lines & Related Angles: 4%
- Dimensional Analysis: 4%
- Intersecting 2-D Figures: 4%

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Common Core K-8 Mathematics Summit, Summer 2012

• Save the Date: **June 25-27, 2012**

• TLJ Consulting Group will host a **K-8** Common Core Mathematics Summit, focused on helping classroom teachers transition to the Common Core State Standards for Mathematics and their related assessments.

• Located in Nashville, Music City Sheraton

• Registration information is posted on [www.TLJConsultingGroup.com](http://www.TLJConsultingGroup.com)

• Email for more information: [info@TLJConsultingGroup.com](mailto:info@TLJConsultingGroup.com)
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