

TCAP/EOC Topical Analysis

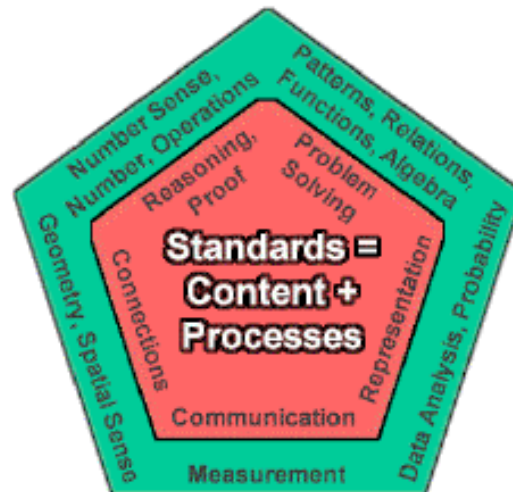
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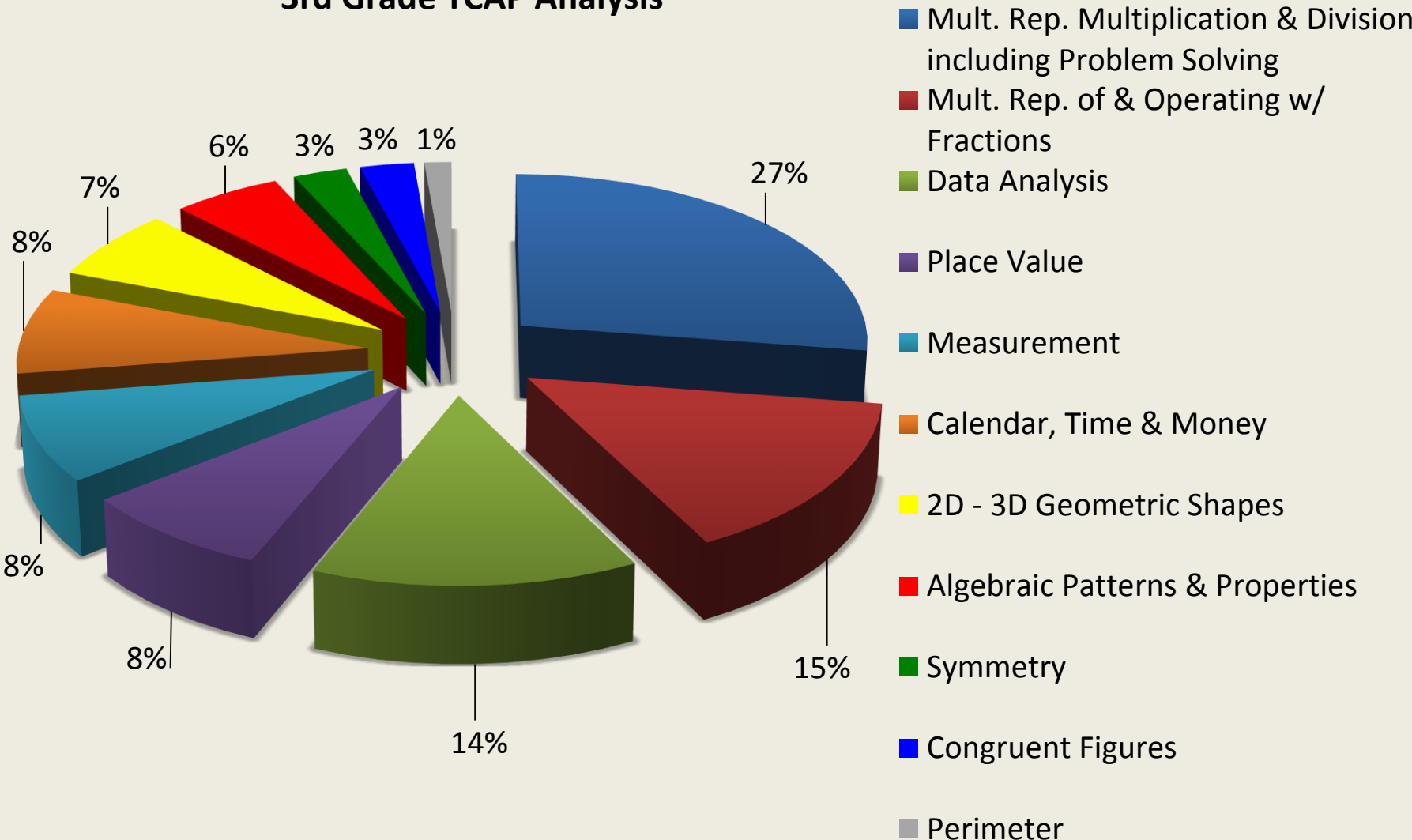
NCTM PROCESS STANDARDS

Every Day/Every Week

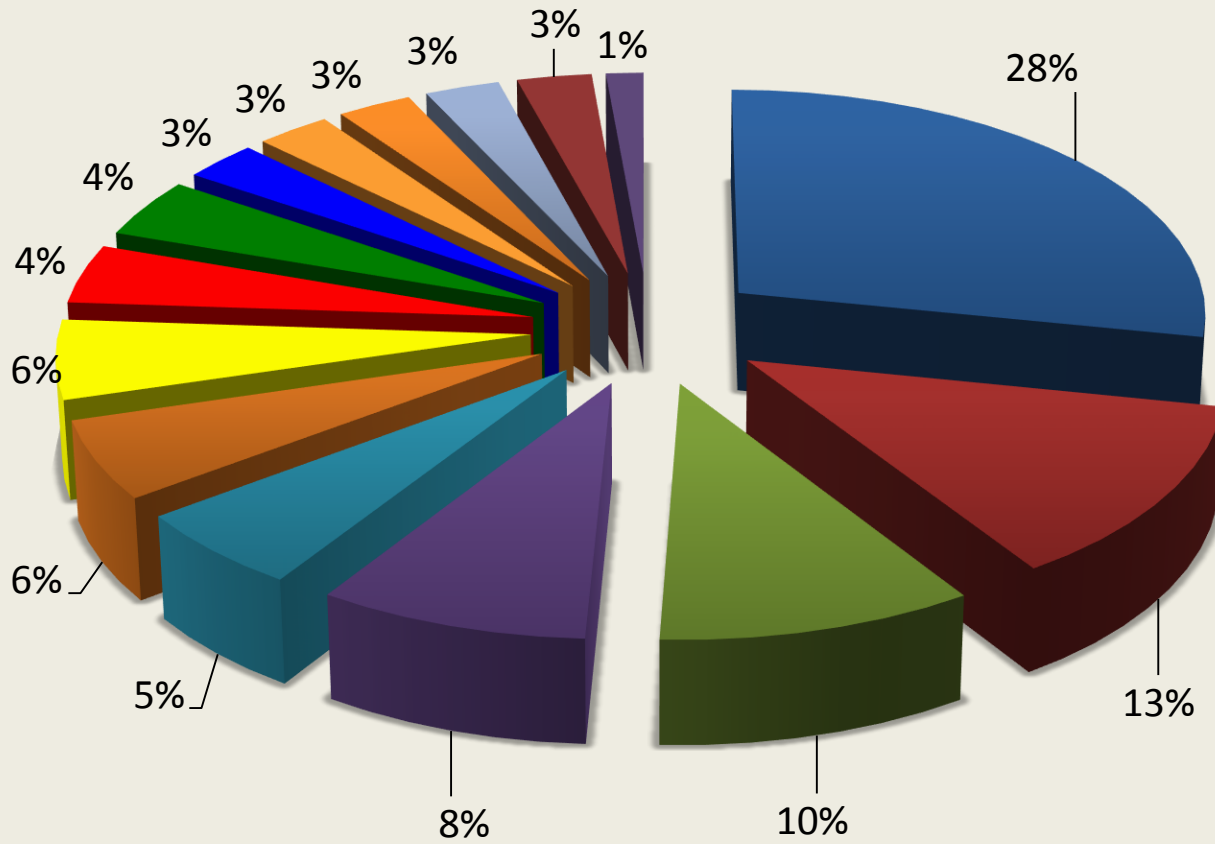
- PROBLEM SOLVING
- REASONING & PROOF
- COMMUNICATIONS
- CONNECTIONS
- REPRESENTATION



3rd Grade TCAP Analysis



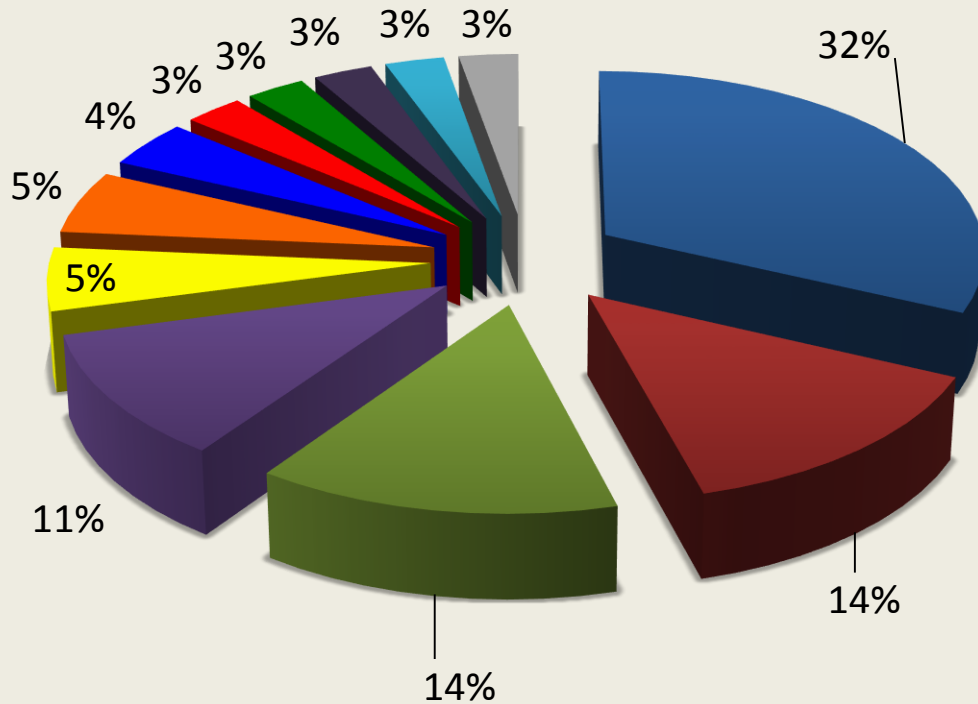
4th Grade TCAP Analysis



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



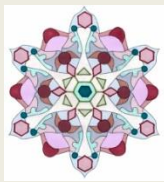
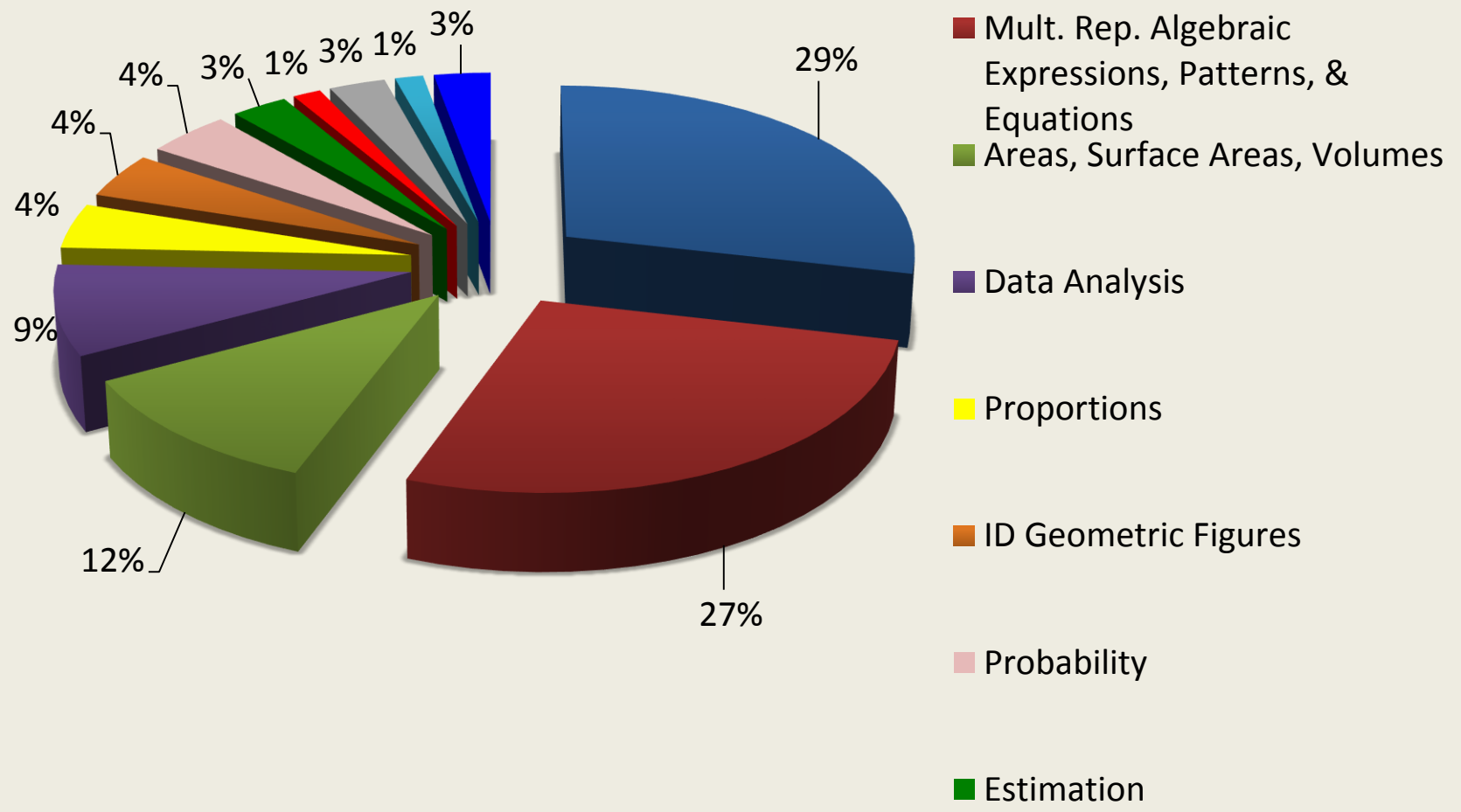
5th Grade TCAP Analysis



- Mult. Rep. & Operating w/ Decimals & Fractions
- Mult. Rep. & Problem Solving w/ Division w/ remainders
- Area/Surface Area/Volume
- Data Analysis
- Place Value
- Nets: Constructed & Deconstructed
- Prime Factorization
- Measurement
- Solving one-step Eq
- Inequalities & Sets
- ID Geometric Figures
- Coordinate Plane



6th Grade TCAP Analysis



“Free” Math

- Free Math – can integrate it “on the fly”
- Rich Discussions
- Creates the culture for “doing math” and “having grand conversations” about math
- Open-ended
- Quick and easy pre-assessment
- Helps develop number fluency



Interactive Hundred's Chart

<http://www.nctm.org/standards/content.aspx?id=25013>

A Bell Ringer or Problem of the Week...Find the Number

Use as few clues as possible, in the order given

1. It is a five-digit whole number
2. It is divisible by 5
3. It is divisible by 4
4. The sum of its ten-thousands digit and its thousands digit is 14.
5. The sum of its ten-thousands digit and its hundreds digit is 11.
6. The sum of its thousands digit and its tens digit is 8.
7. The sum of its hundreds digit and its ones digit is 3.
8. The sum of its tens digit and its ones digit is 2.
9. It is greater than 80000.
10. Its thousands digit is 6.



Carry out the plan: Are you being systematic

1. ab,cde
2. (and 3) d is even, $e = 0$
4. $a + b = 14$
5. $a + c = 11$
6. $b + d = 8$
7. $c + e = 3$

Looks like I have enough info to continue.

If $e = 0$ and $c + e = 3$, then
 $c = 3$

So.. $a = 8$

Then $b = 6$

And $d = 2$ (yes...even)

The number is:

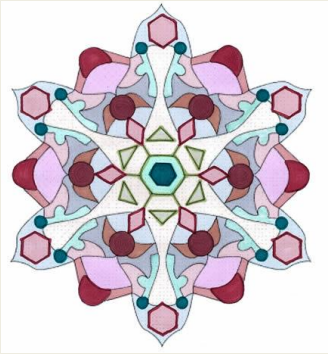
86,320



Website Resources

- STEM Resources
 - www.STEMResources.com
- TN Curriculum Center
 - www.TNCurriculumCenter.org
- NCTM Illuminations
 - <http://illuminations.nctm.org/>





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