

CATEGORIES 2012 – 2013

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Meet	Category 1 MYSTERY	Category 2 GEOMETRY	Category 3 NUMBER THEORY	Category 4 ARITHMETIC	Category 5 ALGEBRA
1	?	Angle measures in plane figures including supplements and complements	Divisibility rules, factors, primes, composites	Order of operations; mean, median, mode; rounding; statistics	Simplifying and evaluating expressions; solving equations with 1 unknown including identities
2	?	Area and perimeter of polygons	GCF, LCM, prime factorization	Fractions, terminating and repeating decimals, percents	Word problems with 1 unknown; working with formulas; reasoning in number sentences
3	?	Properties of polygons; Pythagorean Theorem	Bases, scientific notation	Integral powers (positive, negative, and zero), roots up to the sixth	Absolute value; inequalities in one variable including interpreting line graphs
4 calculator meet	?	Properties of circles	Modular arithmetic, series and sequences	Percent applications Percent change Compound interest	Word problems (linear, including direct proportions or systems)
5 calculator meet	?	Solid geometry (volume and surface area)	Set theory, Venn diagrams	Combinatorics and Probability	Solving quadratics with rational solutions, including word problems

- CALCULATORS WILL BE ALLOWED IN BOTH MEETS 4 AND 5. PLEASE PROVIDE THEM FOR YOUR TEAM MEMBERS.
- **PROGRAMMABLE/GRAPHING CALCULATORS ARE NOT ALLOWED**
- **Acceptable Answer Formats:**
 - All money answers must be written with 2 decimal places.
 - A common fraction is written as a/b where a and b are natural numbers with no common factors. (All improper fractions are common fractions.)
 - Unnecessary zeros written at the end of a decimal will be marked incorrect.