

Lions Pride Math Challenge 2016

Resources and references that will be used:

Math Challenge Level 1 (Grades 1, 2): Online Resources

- Critical Thinking Skills - Teaching your kid how to think rather than what to think www.criticalthinking.com.
- Khan Academy - Free Video Lectures
- Arithmetic - www.khanacademy.org/#arithmetic
- Developmental Math 2 - www.khanacademy.org/#developmental-math-2
- Math Kangaroo for grades 2 and above www.mathkangaroo.org

Math Challenge Level 2 (Grades 3, 4): Online Resources

- Khan Academy - Free Video Lectures
- Arithmetic - www.khanacademy.org/#arithmetic
- Developmental Math 2 - www.khanacademy.org/#developmental-math-2
- Singapore Math - www.khanacademy.org/#statistics
(Move up for Singapore Math)
- Pre-Algebra - www.khanacademy.org/#pre-algebra
- Worked Examples - www.khanacademy.org/#ma-tests-for-education-licensure-mtel-pre-alg
- Math League for grades 4 and above www.themathleague.com
- Math Olympiad: www.moems.org

Math Challenge Level 3 (Grades 5, 6): Online Resources

- Practice problems from middle school students: (Past AMC8 tests and solutions); CD -- AJHSME & AMC 8 (1985-2007); <http://amc.maa.org/d-publication/publication.shtml>
- Book for high school students: the Art of Problem Solving, Volume 2: and Beyond, By Richard Rusczyk and Sandor Lehoczky
- Khan Academy - Free Video Lectures
- Algebra - www.khanacademy.org/#algebra
- Worked Examples 1- www.khanacademy.org/#california-standards-test-geometry

Math Challenge Level 4 (Grades 7, 8): Online Resources

- Book for high school students: the Art of Problem Solving, Volume 2: and Beyond, By Richard Rusczyk and Sandor Lehoczky
- Algebra - www.khanacademy.org/#algebra
- Worked Examples 2 - www.khanacademy.org/#ck12org-algebra-1-examples
- Worked Examples 3 - www.khanacademy.org/#california-standards-test-algebra-ii
- Statistics - www.khanacademy.org/#statistics
- MATHCOUNTS - Free: www.mathcounts.org

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