

## American Heritage Math Club - "The Math Loop"

On November 19, 2013 AHS had 15 students participate in the American Mathematic Competitions (AMC) 8. Out of a possible 25 points, the average score for all 15 AHS students was 10.60. For comparison, the average for all 116,743 students nationally was 10.14 and the average for all 1557 Utah students was 9.16. Great job students!

AHS is starting an after school math club – “The Math Loop”. The “Loop” is open to students from all grades. The sessions cover general problem solving strategies with specific emphasis on past AMC exams. The primary focus is to prepare students to take the AMC 8 in November of 2014 and the AMC 10 and AMC 12 in February 2015. Those eligible to take the AMC 8 test in November 2014 must be in grade 8 or lower for the 2014-15 academic year.

The AMC 8 is a 25 question, 40 minute multiple choice examination that covers middle school math concepts. The AMC 10 is a 25 question, 75 minute multiple choice examination in secondary school mathematics containing problems which can be understood and solved with algebra and geometry concepts. The AMC 12 is a 25 question, 75 minute multiple choice examination in secondary school mathematics containing problems which can be understood and solved with pre-calculus concepts.

### **Sessions begin after school at 3:15 and finish at 4:15 (Tuesday) in the Seminary Room**

AMC 8 preparation - anticipated test date 18 November 2014

Session 1: 28 October

Session 2: 4 November

Session 3: 11 November

AMC 10/12 preparation - anticipated test date 3 February 2015 and 17 February 2015

Session 1: 18 November

Session 2: 2 December

Session 3: 16 December

Session 4: 13 January

Session 5: 20 January

Session 6: 27 January

### ***Questions? Contact Greg Morrill - [grgmrrll@gmail.com](mailto:grgmrrll@gmail.com)***

The following pages have some of the first (easier) and last (harder) problems from AMC 8, 10, and 12. For more information on the AMC tests, visit [maa.org](http://maa.org).