



April 11, 2015

■ RIT Competition ■

Target Round

Problems 1-4

Name _____

**DO NOT BEGIN UNTIL YOU ARE
INSTRUCTED TO DO SO.**

This section of the competition consists of 8 problems. You will work on four problems, and answers will be collected, before the next four are distributed. The time limit for each set of four problems is 12 minutes. When told to do so, write your name on this page. When instructed to begin, pick up your pencil and begin working. Record your final answer in the designated space on the problem sheet. All answers must be complete, legible, and simplified to lowest terms. This round assumes the use of a calculator, and calculations may also be done on scratch paper, but no other aids are allowed. If you complete the problems before time is called, use the time remaining to check your answers.

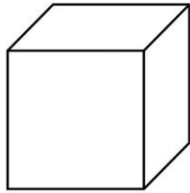
Total Correct	Scorer's Initials

1. Find the positive difference between the mean and the mode of this set of data:

1 1 2 2 2 3 3 4 9

1. _____

2. The volume of a cube is 64 cm^3 . What is the surface area, in square centimeters, of the cube?



2. _____sq. cm

3. One video game was priced \$30 after a 25% price discount. What was the original price in dollars?

3. \$_____

4. Ally has 50 dimes and 20 quarters. What percent of the total value of her money is quarters?

4. _____%