
MATHCOUNTS®

2017
■ Chapter Competition ■
Target Round
Problems 1 & 2

Name _____

School _____

DO NOT BEGIN UNTIL YOU ARE INSTRUCTED TO DO SO.

This section of the competition consists of eight problems, which will be presented in pairs. Work on one pair of problems will be completed and answers will be collected before the next pair is distributed. The time limit for each pair of problems is six minutes. The first pair of problems is on the other side of this sheet. When told to do so, turn the page over and begin working. This round assumes the use of calculators, and calculations also may be done on scratch paper, but no other aids are allowed. All answers must be complete, legible and simplified to lowest terms. Record only final answers in the blanks in the left-hand column of the problem sheets. If you complete the problems before time is called, use the time remaining to check your answers.

Problem 1	Problem 2	Scorer's Initials

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1. _____ units² What is the area, in square units, of the rectangle with vertices A(0, 0), B(0, 3), C(2, 3) and D(2, 0)?

2. _____ What is the greatest possible absolute difference between any two values of the five expressions shown? Express your answer as a decimal to the nearest thousandth.

$$(0.5)^3$$

$$(0.3)^3$$

$$\frac{3^5}{5^3}$$

$$0.5 \times 0.3$$

$$0.3 \div 0.5$$