

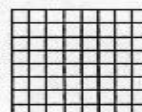
MATH AWARENESS MONTH COMPETITION

2000 Examination for 5th-6th Grades

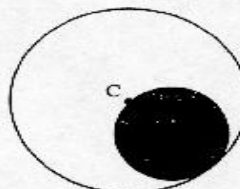
DIRECTIONS: [40 Minutes - 5 Questions] Start each new problem on a separate page. Show your work! Answers must be exact. You are allowed to use a calculator. You are not allowed to borrow or interchange calculators during the test.

1. How many feet will a car travel in one-half second if it is traveling at the rate of 30 miles per hour?

2. Look at the checkerboard (an 8×8 grid) as shown. How many squares are in this picture?



3. The larger circle with center C has radius 5 inches. A point P is chosen at random inside this circle. What is the chance (or probability) that P is inside the shaded circle?



4. Using pennies, nickels, dimes, quarters, or half dollars, what is the maximum number of cents you may have without having the exact change for \$1.00?

5. In the diagram, ABCD is a square. Find the area of the shaded triangle.

