

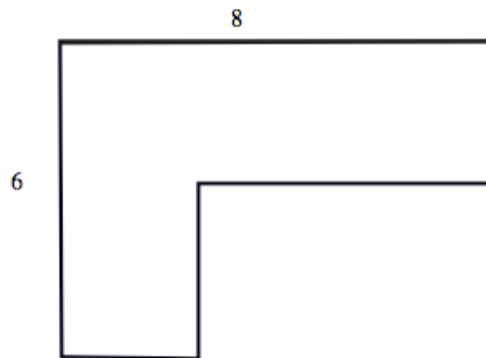
Math Awareness Month Competition

Department of Mathematics - University of Kansas

Sample Problems for 5th-6th Grade Examination

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 numbers from 1 to 100 have a figure '5' in them?
2. If you roll two six sided die, what are the chances that your total will be 6? Express your answer as a ratio using ":" sign.
3. A math contest began at noon one day and ended 1000 minutes later. At what time did the contest end?
4. What is the perimeter of the shown polygon?



5. The sale ad read: "Buy three tires at the regular price and get the fourth tire for \$3." Jack paid \$240 for the set of four tires at the sale. What was the regular price of one tire?