

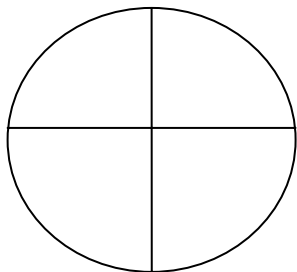
Sagamore Hills Math Tournament  
Sample Test Questions and Solutions

3<sup>rd</sup> Grade Concepts

1. List all of the factors of 29.
2. Use digits to write the number eight million, eighty thousand, eight
3. If a rattlesnake shakes its tail about 50 times each second, how many times would it shake in one minute?
4. Which part of a pizza is the smallest?

$\frac{1}{6}$        $\frac{1}{8}$        $\frac{1}{2}$        $\frac{1}{5}$

5. What is the probability of spinning a number less than 1?



Solutions:

1. 1 and 29
2. 8,080,008
3. 3,000
4.  $\frac{1}{8}$
5.  $\frac{1}{4}$

### 3<sup>rd</sup> Grade Problem-Solving

1. The moon is about 240,000 miles from Earth. How long is required for a round trip if a spaceship travels at 8,000 miles per hour?

2. A nickel, a penny, and a dime are placed under three cups. The following clues are given:

To the left of the blue cup is a green cup.

To the left of the penny there is a dime.

To the right of the nickel there is a red cup.

To the right of the red cup there is a penny.

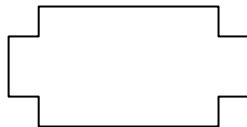
The dime is under the cup of which color?

3. Stamps cost 44 cents each. A book of stamps contains 20 stamps. How much does a book of stamps cost?

4. What is the largest answer possible when you rearrange the following symbols, using each exactly once?

( X + ) 7 3 4

5. Find the perimeter of this figure:



### Solutions:

1. 60 hours

2. under the red cup

3. \$8.80

4. 49       $(4+3) \times 7$

5. 46 feet