

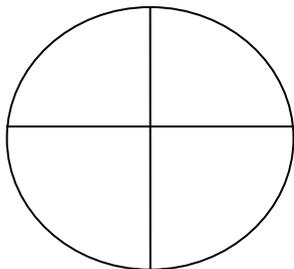
Sagamore Hills Math Tournament
Sample Test Questions and Solutions

3rd 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?

$1/6$ $1/8$ $1/2$ $1/5$

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. $1/8$
5. $1/4$

3rd 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.

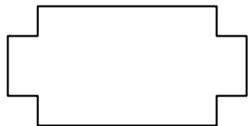
The dime is under the cup of which color?

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