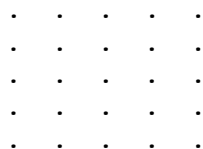


Sagamore Hills Math Tournament

Sample Test Questions and Solutions

4th Grade Concepts

1. Create a figure, touching the pegs on the given geoboard, whose area is 3 and whose perimeter is 8.




2. \$3.61 + \$.94 + \$9 = _____

3. List all numbers whose distance along the real number line from -8 is 8 .

4. Which part of the pizza is the smallest piece? $\frac{1}{8}$ $\frac{1}{10}$ $\frac{1}{2}$ $\frac{1}{5}$

5. Find the missing number: $8 + 8 + 8 + 8 + 8 + 8 + 8 = \underline{\hspace{2cm}} \times 8$

Solutions:

1. 

2. \$13.55

3. -16 and 0

4. $1/10$

5. 7

4th Grade Problem-Solving

1. Four out of seven people surveyed prefer Wonderlicious bubble gum. Using the results of this survey, how many students would you expect prefer Wonderlicious in a class of 28 children?
2. To make two dozen cookies, you need $\frac{2}{3}$ cup sugar. How much sugar is needed to make 96 cookies?
3. A taxi driver charges \$1.00 for the first quarter mile and \$.50 for each quarter mile after that. What should she charge for a trip where the odometer read 475 at the beginning of the trip and 498 at the end of the trip?
4. The Holton family spends an average of \$250 per day on their 5-day vacation. They spent half of this daily average on meals. How much did they spend for meals on their 5-day vacation?
5. How many toothpicks would be required to make a "train" of toothpicks twelve "cars" long?

Solutions:

1. 16
2. $2\frac{2}{3}$
3. \$46.50
4. \$625.00
5. 37