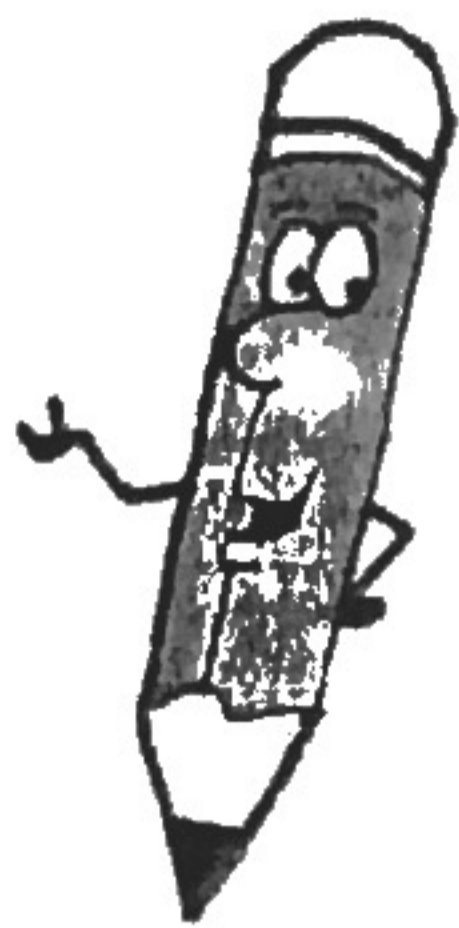


Name \_\_\_\_\_

6th

Figure it out



1. Choose the correct property.

$a + b = b + a$

- identity property
- commutative property
- associative property

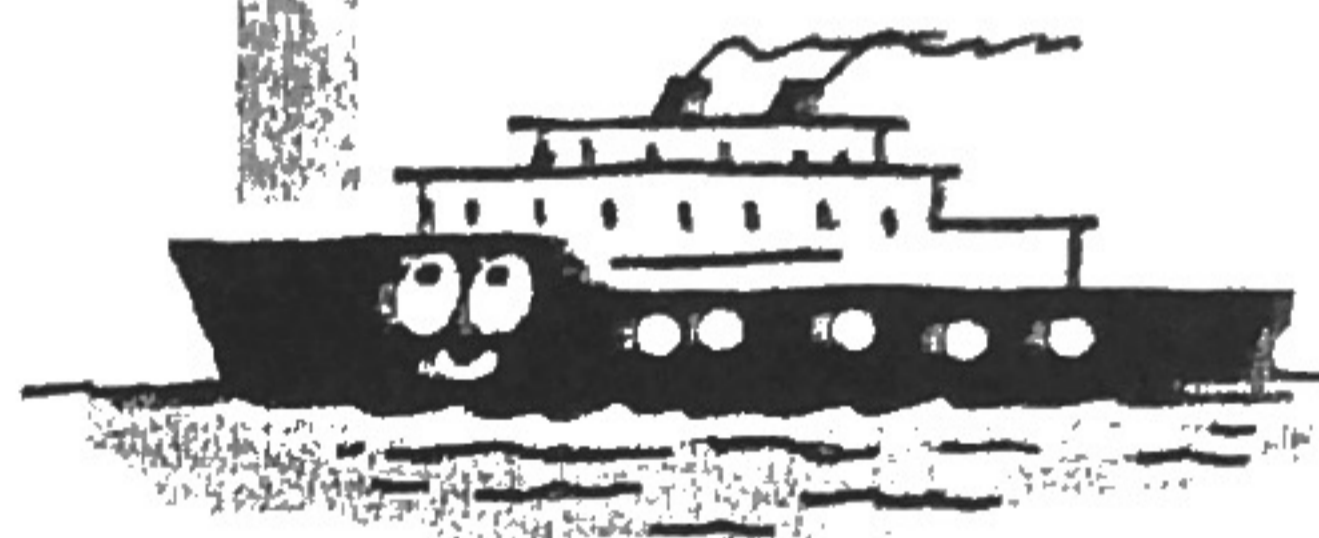
2. There are 192 steps from the ground to the top of the pedestal where the Statue of Liberty stands, and 354 steps from the pedestal to her crown. How many steps must be climbed to enjoy the view from the crown? If the steps from the pedestal to the crown are divided into 22 stories, are there an equal number of steps between each story?

3. The guided tour of the statue takes about 45 minutes. When will the 11:50 a.m. tour be over?

4. You pay for snacks on the ferry with a \$10.00 bill. The refreshments cost \$5.76. Use an equation to find how much change you should receive.

5. For Grandma Carlon's 65th birthday, the family is going to Liberty Island to tour the Statue of Liberty. Mom and Dad, Baby Brett, ten-year-old Mattie, and seven-year-old Josh will go with Grandma. How much will they spend on ferry tickets?

Adult:	\$11.50
Senior:	\$9.50
(62 and older)	
Child (4-12)	\$4.50
Under 4:	Free



Don't worry.  
You will see Lady Liberty  
when the fog lifts.

Name \_\_\_\_\_

hint: 1 Ton = 2000 lb

1. The Statue of Liberty is one heavy lady! Calculate the weight of each building material in tons.

- a. copper – 62,000 pounds
- b. steel – 250,000 pounds
- c. concrete – 54,000,000 pounds



2. Find the value of each expression.

a.  $3 \times 1.2 + 4 \times 2.6 =$  \_\_\_\_\_

b.  $3.2 \times 4.5 + 4.8 =$  \_\_\_\_\_

3. Is 1,956 divisible by 3?

- yes
- no

4. Write the words as a number in standard form.

**six million, four thousand thirty**

5. In a number square, the sum of the numbers in each row, column, and the two diagonals is the same.

- a. Find the sum for this square.
- b. Use the sum to write and solve equations to find the values of a, b, and c.

2	7	c
a	5	1
4	b	8

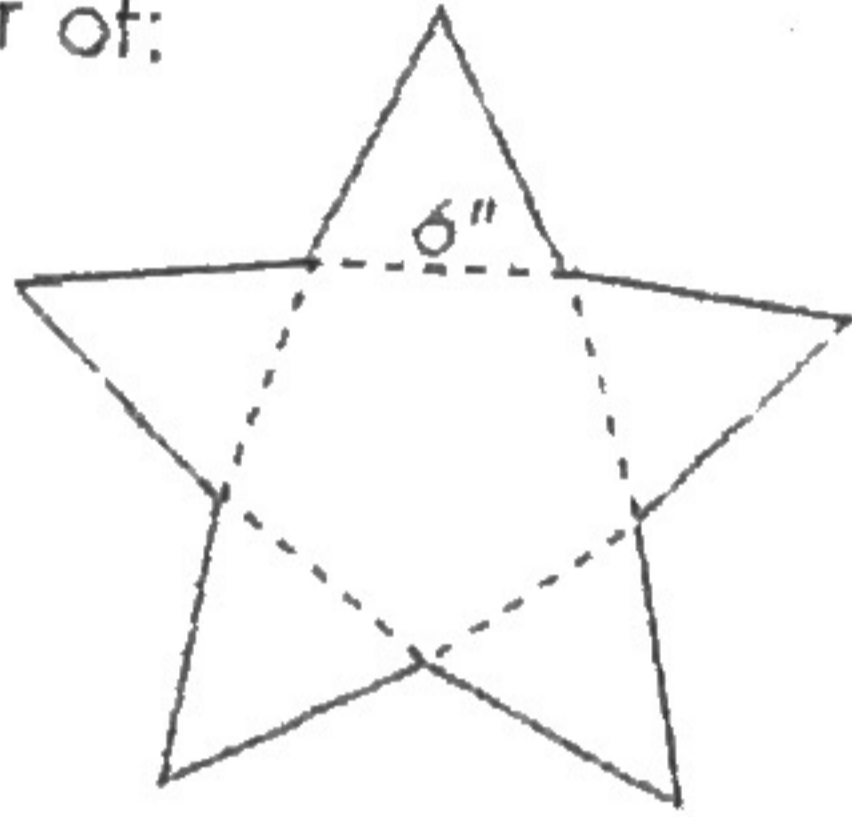
Name \_\_\_\_\_

1. Write the rule for the function table.

n	?
3	5
3.5	5.5
9	11

2. Each point of the star is an equilateral triangle. Determine the perimeter of:

- one triangle
- the pentagon in the center



3. Solve the problem.

$$18 + (-13) = \underline{\hspace{2cm}}$$



Will it rain? ...  
Or, won't it?

4. The weather forecaster is predicting that the probability of rain is 10 percent. Explain what that means.

5. The sixth graders at Frankie's school are going to visit the Statue of Liberty. There are seven classes of 32 students. The park rangers require one adult for every ten students. Students must stay with their chaperones at all times.

- How many adult chaperones will the sixth grade need?
- If the 90-minute tour has a limit of 38 participants, and 6 rangers are available to give tours simultaneously, how long will it take for all the sixth graders to finish the tour?

Name \_\_\_\_\_

1. The Statue of Liberty officially celebrated her 100th birthday on October 28, 1986. How many years old is she today?

2. Write the expression in words as you would read it aloud.

$$\frac{1}{4} + 1$$



A lady never tells her age.

3. Explain why seventy-two hundredths are equivalent to seven hundred twenty thousandths.

4. Lady Liberty's nose is 4' 6" long. How many inches is that? What classroom object is about the same length?

5. The photographer on the ferry charges the same price to take any group's photo. The photographer collected a total of \$137.77 for the photographs shown in the line plot. Write and solve an equation to find the charge per photo.

