MATH MADNESS #1
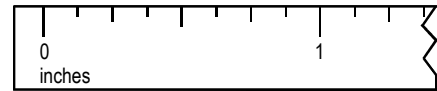
1. Which of the following shows all the factors of 6?

   a. 0, 1, 2, 3, 4, 6
   b. 1, 2, 3, 6
   c. 1, 6
   d. 0, 2, 3

5. This ruler divides each inch into equal parts. Which fraction names one of these parts?

   a. $\frac{1}{9}$
   b. $\frac{1}{8}$
   c. $\frac{1}{2}$
   d. $\frac{8}{8}$

2. Last year 6,367 people ran a local race. What is the value of the 3 in the number 6,367?

   a. three
   b. thirty
   c. three hundred
   d. three thousand

6. Lauren and Hailey met for lunch at 11:45 a.m. If they spent 1 hour and 45 minutes in the restaurant, what time did they leave?

   a. 1:00 a.m.
   b. 1:30 a.m.
   c. 1:00 p.m.
   d. 1:30 p.m.

3. There are 1,458 African elephants and 2,681 Asian elephants in United States zoos. How many elephants is that in all?

   a. 3,039
   b. 3,139
   c. 4,039
   d. 4,139

7. This picture graph shows the number of children in each grade who are in chorus.

   How many 5th graders are in chorus?

   a. 35
   b. 30
   c. 25
   d. 20

Chorus Members	
Grade	Number of Children
3	♪ ♪ ♪ ♪
4	♪ ♪ ♪ ♪ ♪ ♪ ♪
5	♪ ♪ ♪ ♪ ♪ ♪
6	♪ ♪ ♪ ♪ ♪ ♪ ♪
Each ♪ = 5 students	

4. This represents 1.

   What is ⊕ + ⊕ ?

   a. $\frac{3}{8}$ c. $\frac{5}{8}$

   b. $\frac{3}{5}$ d. $\frac{3}{4}$

8. Which of the following is an example of a line?

   a. •————•
   b. •————▶
   c. ◀————▶
   d. •

9 & 10 (2 points) Short Answer / Extended Response

A dolphin can swim at a speed of 6 miles in 15 minutes. A barracuda can swim at a speed of 8 miles in 15 minutes. How far will each travel in one hour? How much farther will a barracuda swim in 5 hours than a dolphin? Be sure to show all your work.

A dolphin will travel _____ in one hour. A barracuda will travel _____ in one hour.

In five hours, a barracuda will travel _____ farther than a dolphin.