Oak Grove
Math Superstars
Due Dates:

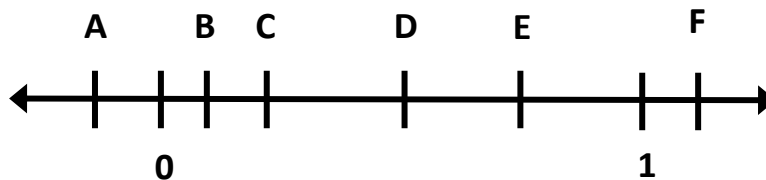| Session	Last Monday of
1	September
2	October
3	November
4	January
5	February
6	March

Grade 4

Session 6 - Answers
(50 points total; 10 points deducted if late)

● = easier ● ● = harder ● ● ● = hardest
Grader: 5 points for the correct answer; minimum of 1 point.

1. If point C is multiplied by point D, the answer will be which point?

Answer: __B since C and D are less than 1 thus the answer must be greater than zero but less than the min(C, D)__

2. Brian has a length of rope. He cuts it in half. He then cuts one of the pieces in half and again cuts one of those pieces in half. After the 3rd cut, the smallest piece of rope is 9 inches long. How long was the rope before Brian began cutting it? (5 points) ● _**6 feet**_____

3. Solve each problem. (1 point each, 1 extra point if all four are correct. Show work.) ●●
   a) $\sqrt{9}$ = _**3**__

   b) .3 x .3 = _**.09**__

   c) 10 x 2 x .4 = _**8**__

   d) .4 x 7 = _**2.8**__

4. Mr. McCarthy needs to buy a new computer. The computer costs $950 at a store near Lenox Square, where the sales tax is 8%, and $975 at a store near Athens, where the sales tax is 6%. From which location should he buy the computer and how much will it cost?   (5 points) ●● _**Lenox, 1026**_____

5. Ms. Koepke wants all 25 students in her class to sit at a round table for a class activity. Each student needs 3 feet along the edge of the table. The formula for the

circumference of a circle is pi x radius x 2. What is the diameter of the table? (5 points) •• **_about 23.9 feet___**

6. Susie wrote a story for class. The pages were numbered and digit "3" occurred 11 times. How many pages did the story have? (5 points) •• _**36**__

7. Fill in the missing digits. (1 point each, 1 extra if all four are correct) ••

$$
\begin{array}{r}
3,\_86 \\
1\_2 \\
+ \quad \_,67\_ \\
\hline
8,155
\end{array}
$$

(2, 9, 4, 7)

8. The letters A and B below represent numbers. What are the values of A and B? (5 points) ••

$$
\begin{array}{r}
7A4 \\
+ \quad A8B \\
\hline
1,777
\end{array}
$$

(A=9 B=3)

9. There are 21 kids, including Nicky, waiting in line for ice cream. The number of kids behind Nicky is 4 times the number of kids ahead of Nicky. What is Nicky's position in the line counting from the front of the line? (5 points) ••• _____

5th

10. What are the missing numbers in the sequence? 4, 6, 8, 9, 10, ____, 14, ____, ____ (1 point each, 2 extra if all three are correct) •••

(12, 15, 16)