Name:_____

Early Elementary Winter 2016 Meeting 1: Math Kangaroo Practice!

1. If the month starts with a Thursday and has 31 days, what day of the week is the last day of the month?

2. A log is 32 feet long and needs to be cut into 8 equal logs. How many cuts do you have to make?

3. We place the signs - and = in between these digits in such a way that an equality is formed. Where do we place the signs?

$$5 \quad 6 \quad 2 \quad 2 \quad 3 \quad 4$$

4. In a certain zoo, there were 27 total animals. Among them were 5 chimpanzees and 7 apes. The remaining were all lions. If the lions were placed equally among three pens, how many lions are in each pen?

5. Kate is 1 year old. Betty is 5 years old. Ashley is 17 years old. When Kate is exactly one half of Betty's age, how many times older is Ashley compared to Kate?

6. Rachel biked 19 miles. Laura biked two times that distance, plus another 9 miles. How many more miles did Laura bike than Rachel?

7. There are the same number of cows, pigs, and chicken in the farm. Chloe counted 40 total legs. How many chicken are there in the yard?

8. Justin wrote out all the odd numbers from 3 to 73, inclusive.

   a. How many numbers did he write?

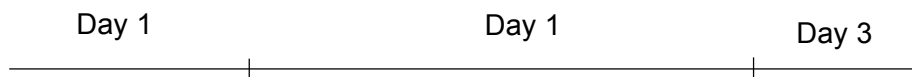   b. How many times did Justin use the digit 3?

9. Baby Frog's jump is 5 times shorter than Mama Frog's jump.
   a. How many times does Baby Frog need to jump in order to match 4 of Mama Frog's jumps?

   b. It takes Mama Frog 5 seconds to make a jump. Baby Frog and Mama Frog cover the same distance of 4 of Mama's jumps in the same time. How much time does one baby jump take?

10.   Albert, Bella, Daniel, and Stella were comparing their collections of baseball cards. Stella had fewer baseball cards than Bella, and Albert had more than Daniel. Bella did not have the most cards. Who had the most cards among the four of them?

11.   In three days, Terry hikes 50 miles. He hikes three times as much on the second day than on the first day. On the last day, he only hikes 2 miles. How many miles did he hike on the first and second day? Use the drawing below to help you figure out the answer.

Day 1   Day 1   Day 3

12.   Samantha goes on a walk, and notices that she sees a mushroom on the hiking trail every 30 steps that she walks. Each of her steps is half a yard long, and the entire hiking trail is 50 yards. How many mushrooms does she see?

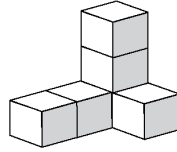13.   There are 4 siblings in the room: Gary, Helia, Ingrid, and James.
   • Ingrid is 5 years older than Helia
   • James is one third of Helia's age and twice Gary's age
   • Gary is two years old
   How old is everyone in the family?

14.   One square table can seat 3 people on each side, for a total of 12 people per table. If Thomas puts together three of these square tables to form one long rectangular table, how many people can the rectangular table seat?

15.   Timothy, Kevin, Megan, Stephanie, and Victor go to the diner for some food. The menu offers rice, burger, coffee, soda, and pastry. Each friend orders one item, and no two friends order the same item. Megan says she doesn't feel too hungry and orders something to drink. Timothy orders rice. Kevin is thirsty. Stephanie wants something sweet. What does Victor order?

16.   Haru makes the following shape out of square blocks. Each block weighs 30 grams. How much does the completed shape weigh?

17.   Jerry puts four square tables together in a row to make one long rectangular table. This table can seat 10 people. He then takes apart the four square tables. Assume that each side of the square table seats the same number of people.

   a. How many people can sit at the four square tables put separately?

   b. Which configuration of tables can seat more people?

18.   As Josh wrote the problem on the board, he forgot one
   digit:
   What is the digit? Correct the problem.

$$12 + 36 + 2 + 8 = 80$$