Math Problems – Grade One

Dear Parents,

Our grade one curriculum states that students should be able to:

Demonstrate an understanding of addition of numbers with answers to 20 and their corresponding subtraction facts, concretely, with pictures, and with symbols by:

-creating and solving addition and subtraction stories

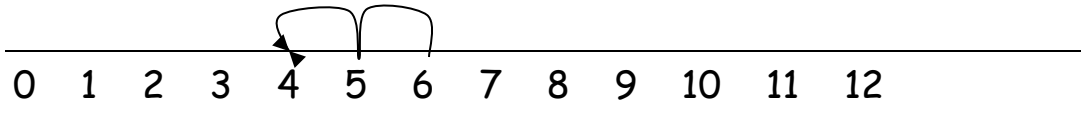
-using math language to describe the stories

-modeling addition and subtraction and writing the corresponding math equation

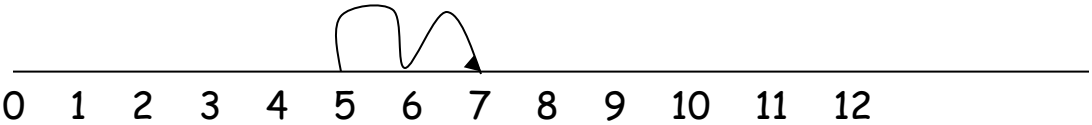
In the first part of the year, we work on these skills to 12. In the spring, we revisit the concepts and work on the skills to 20.

When working with your child, you can use several tools to help solve the problems.

1) Use a number line – count on for addition, count back for subtraction




4 + 2 = 6




7 – 2 = 5

2) This leads to counting on and counting back without a number line.

3) Use small toys (ie marbles, pennies, hockey cards, etc. to model the stories)
4) Draw pictures to model the stories

5 + 1 = 6 

5) Use the other strategies we have learned
   a) **making 10** – we know that 9 and 1, 8 and 2, 7 and 3, 6 and 4, 5 and 5, 4 and 6, 3 and 7, 2 and 8, and 1 and 9 go together to make 10.
   b) **Doubles** – ie 1+1 = 2, 2+2 = 4, 3+3 = 6
   c) **Thinking addition for subtraction** – ie 10-5 = ___ "I know that 5+5 = 10, so 10-5 must be 5."

When solving problems, students need to be able to state the correct answer and how they got that answer (ie "I know that it is a double" or "I counted on").

Please see below for sample grade one math problems. Thank you for your time and cooperation in helping your child succeed!

Mrs. Johnson

Bob has 4 cookies. Sally gives him 6 more. How many cookies does Bob have now?
How I solved the problem:

My math equation:

_____ ◯ _____ = _____

12 horses were in a field. 8 ran away. How many horses are still in the field?
How I solved the problem:

My math equation:

_____ ◯ _____ = _____

10 girls were dancing. 2 more joined them. How many girls are dancing now?
How I solved the problem:

My math equation:

_____ ◯ _____ = _____

5 monkeys were in a tree. 5 more monkeys came to the tree too. How many monkeys are in the tree now?
How I solved the problem:

My math equation:

_____ ◯ _____ = _____

8 elephants were drinking water. 4 decided to leave. How many elephants are still drinking water?
How I solved the problem:

My math equation:

_____ ◯ _____ = _____

Solving Equations

| | | | |
|---|---|---|---|
| 8 – 3 = _____ | 6 + 4 = ____ | 10 – 2 = ____ | 11 – 9 = ____ |
| 3 + 3 = _____ | 2 + 10 = ____ | 1 + 9 = _____ | 7 – 2 = _____ |
| 5 + ___ = 10 | 2 + ____ = 3 | 9 – 2 = _____ | 11 – 1 = _____ |