



# PRE-KINDERGARTEN MATHEMATICS – Unit 6

Dear Parents,

Here is what your child is learning in Pre-Kindergarten, Unit 6 along with some specific ways you can help.

## ADDITION AND SUBTRACTION

### Students need to:

- Explore the concept of addition by using part-part-whole story mats (add to five, add to ten).
- Explore addition and subtraction with objects, fingers, mental images, drawings, sounds (i.e. claps), acting out situations, or verbal explanations.
- Model story problems involving the joining together of two sets and then describe how many (add to five, add to ten).
- Decompose numbers up to 10 into pairs in order to find the missing part within a whole quantity (part-part-whole mat) (subtract from ten).
- Model story problems involving the separation of a quantity from a larger quantity and then tell how many (subtract from five, subtract from ten).

## WAYS PARENTS CAN HELP

- Practice adding by acting out story problems that involve joining two groups of objects using things around the house. (i.e a group of 3 red grapes and a group of 3 green grapes - when we put them together, how many grapes do we have in all?)
- Practice subtracting by acting out story problems that involve the separation of a certain number of objects from a larger quantity of those objects by using things around the house. (i.e I have a group of 8 red grapes and I take 3 away. How many grapes do I have now?)

### • Books to Read:

- *Addition*
- *Subtraction*
- *Domino Addition*

### KEY WORDS AND PHRASES

|            |              |                 |              |
|------------|--------------|-----------------|--------------|
| Add        | Fewer than   | More            | Plus         |
| Addition   | Greater than | More than       | Put together |
| Altogether | Join         | Number path     | Same         |
| As many as | Less         | One less        | Separate     |
| Compare    | Less than    | One more        | Subtract     |
| Equal      | Missing part | Part-part-whole | Subtraction  |
|            |              |                 | Take apart   |

### Free Apps



"Math Word Problems – Addition and Subtraction for Kindergarten and 1st Grade" - This app includes a wide variety of addition and subtraction word problems designed for students to listen, read, draw and solve. (Apple only)



"10 Frame Fill" provides children practice with recognizing additive "10 Families" (e.g., 1 and 9, 2 and 8, etc.). Set the 10 Frame to fill in sequence or randomly. Use contrasting color chips to fill the 10 frame as you determine the answer. Select to show a corresponding number sentence. (Apple only)



"Math Slide: Addition and Subtraction" - Math Slide: Addition & Subtraction Facts. Game 1 helps children to learn and recall addition and subtraction number facts using images of ten frames, fingers, dot cubes and stacked cubes. Players learn by sliding tiles into the center to match an answer, equation or image. The player who slides their tiles first wins. (Apple only)