Math Connections for Parents

Welcome to Second Grade Math! Newark City Schools is using the EngageNY curriculum, which is aligned with Ohio's New Learning Standards. This guide is designed to give you an overview of the Math Modules that your child is learning in class, and to provide support as you help your child with mathematics at home.

KEY STANDARDS

- Use addition and subtraction to solve word problems (use drawings and equations to explain the problem)
- Fluently add and subtract within 20 using mental strategies.
- Use place value strategies to add and subtract within 100.

Important Words and Concepts

- **Make a 10:** taking an addition or subtraction problem and making it easier by looking for a 10, in order to solve known facts
- **Ten Frame:** A grouping of ten dots, arranged in two rows of five.
- **Equation or Number Sentence:** 3+5 = 8
- **Expression:** 6+3 (no equal sign)
- **Ten Plus:** solving problems using groups of ten and a number (i.e. 30 + 5 = 35)
- **Say Ten Way:** Counting by naming the Ten, then the one (i.e. 56 would be "5 tens 6)
- **Number bond:** graphic to show part, part, whole of a group of numbers.
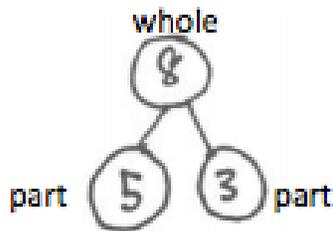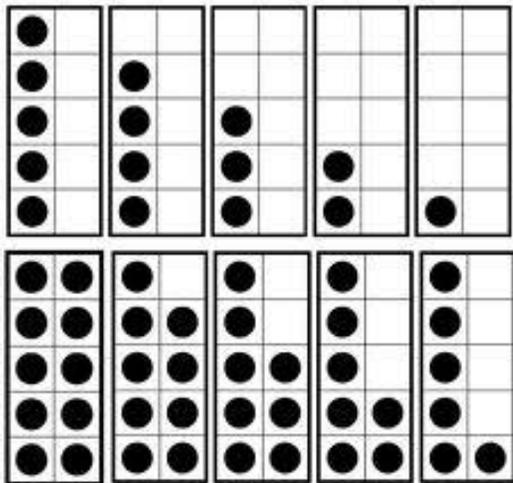

Sums and Differences to 20

Knowing fluency of addition and subtraction numbers to 20 will be worked on in Grade 2, Module 1. Work with your child to develop automatic recall of addition and subtraction facts 0-20 by counting and counting on. Students worked on addition and subtraction of 0-10 in first grade mathematics.

For more resources, please visit www.newarkcityschools.org → Parent Math Academy K-5

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Graphics and Strategies you may see…

whole

part (5) (3) part

Number Bond

Regular	Say Ten
fifty-one	5 tens 1
sixty-seven	6 tens 7
seventy-five	7 tens 5
eighty-four	8 tens 4
ninety-five	9 tens 5

$$9 + 4 = 13$$
$$1 \quad 3$$
$$10 + 3 = 13$$

$$9 + 5 = 14$$
$$1 \quad 4$$
$$10 + 4 = 14$$

Students work on looking for a 10 in a problem. This is called "decomposing" a number.

Ten Frame build fluency with groups of fives and tens, and help with the concept of counting on.

Sample Word Problem:

Joe saved $65 last month. This month he saved 8 more dollars. How much money does he have now?