

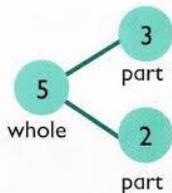
Math Connections for Parents

Grade 1 Module 1
Sums and Differences to 10

Welcome to First 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.

Important Words and Concepts

- Count on: students count from a number instead of counting from 1. For example, $4+3$, start at 4 and count 5, 6, 7.
- Addend: one number being added
- Equation or Number Sentence: $3+5 = 8$
- Expression: $6+3$ (no equal sign)
- Doubles: $3 + 3$, $6 + 6$
- Number bond: graphic to show part, part, whole of a group of numbers.



Sums and Differences to 10

Knowing fluency of addition and subtraction numbers to 10 is stressed greatly in Grade 1, Module 1. Work with your child to develop automatic recall of addition and subtraction facts 0-10 by counting and counting on. Use toys at home or items at the store to practice counting skills.

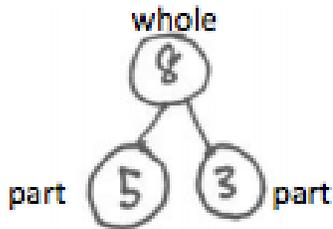
KEY STANDARDS

- Use addition and subtraction to solve word problems
- Understand the relationship between addition and subtraction ($8+3=11$ is the same as $3+8=11$)
- Understand subtraction as solving an unknown ($10-8$ can be solved by knowing what number adds to 8 to make 10)
- Add and subtract within 20
- Understand the meaning of an equal sign and tell which are true or false.
- Find the unknown number in an equation ($4 + ? = 7$)

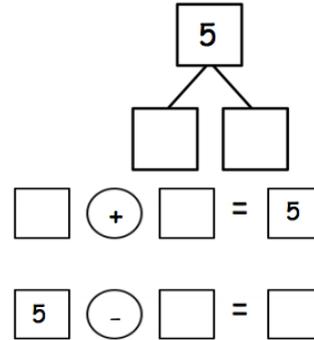
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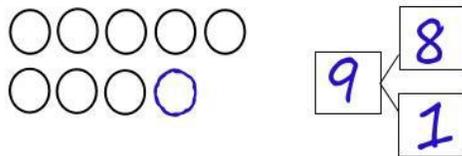
Graphics and Strategies you will see...



Number Bond



Number bonds can be used to show how addition and subtraction facts relate to each other.



1 more than 8 is 9.
 $8 + 1 = \underline{9}$

Missing Addend problem: Kate and Nana were baking cookies. They made 2 heart cookies and then made some square cookies. They made 8 cookies altogether. How many square cookies did they make?

$2 + \underline{\quad} = 8$

Sample Problem: I had 3 apples. My mom gave me some more. Then, I had 10 apples.

How many apples did my mom give me?

3 apples + ? apples = 10 apples

Mom gave me 7 apples.