Grade 1
Number Sense & Numeration

How Many?
In My Home We Have
The Trading Game
12 Birds
Roll and Add Game
How Many?

Help your child count some of these things in your home.

Lamps  Doors  Spoons

Forks  Windows  Clocks

The last number in the count is the total quantity of objects that one has.

Let’s Talk About It

• Which things do we have the most of? How do you know?
• Which things do we have the least of? How do you know?
• If we count in a different order will we get the same amount?
In My Home We Have...

1. Have your child find small quantities of items in your home.
2. Help your child find things that you have 1 of, 2 of, 5 of, 10 of. Count to check.
3. Have your child find large quantities of items in your home.
4. Have your child estimate how many.
5. Have your child count to check.

Let’s Talk About It

• Which items did you have the least of? Why?
• Was your estimate close when you checked what it actually was?

Skip counting by 2’s, 5’s, or 10’s for large quantities is a useful strategy.
The Trading Game

Number of Players: 2 or more

Materials:
• One die
• Place-Value Mat (See attached page)
• Toothpicks (or sticks)
• Elastic Bands (or twist ties)

Rules:
1. Each player takes turns rolling the die, reads the number rolled, and places that number of toothpicks in the ones column of the Place-Value Mat.
2. When there are 10 toothpicks in the ones column, wrap an elastic band around the 10 toothpicks to make a bundle.
3. Put the bundle of 10 in the tens column.

The first player to make 3 bundles of 10 (30 toothpicks in total) is the winner!

Let’s Talk About It

• How many bundles of 10 would you be able to make with 40 toothpicks? 56 toothpicks?
• What will ten bundles of 10 be?

Our number system is based on ten. Renaming numbers helps with understanding place value. For example, 30 is 30 ones or 3 tens.
12 Birds

1. Ask your child to draw some nests in the tree attached.
2. Ask your child to cut out the 12 little birds from the attached sheet.
3. Have your child put the 12 birds in the nests.
4. Help your child find at least four different arrangements of the birds and record on a piece of paper.

Numbers are made up of smaller numbers. For example, 12 can be thought of 2 and 3 and 4 and 3.

Let’s Talk About It

• How do you know you have 12 birds?
• If we want birds to be in 2 nests how many birds could be in each nest?
12 Birds
12 Birds
Roll and Add Game

Number of Players: 2 or more

Materials:
• Attached Game Cards
• 2 Dice 🎲🎲
• Marker, Crayon, or Pencil

Rules:
1. Give each player a game card.
2. Take turns rolling the dice.
3. Add the dots that show on the top of the dice.

![Example of dice with dots]

4. Find the sum on the game card.
5. Colour in one square in that column.

The winner is the first player to fill his or her game card!

Let's Talk About It

- Which sum appeared the most during the game? Why do you think that is?
- Which sum appeared the least during the game? Why do you think that is?
## Roll and Add Game

### Sum

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