

# Home Connections

## Math Activities

### Grade 1

### Number Sense & Numeration

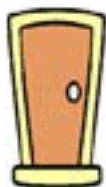
How Many?  
In My Home We Have  
The Trading Game  
12 Birds  
Roll and Add Game

# 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.

Skip counting by 2's, 5's, or 10's for large quantities is a useful strategy.




## 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?

# 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!

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

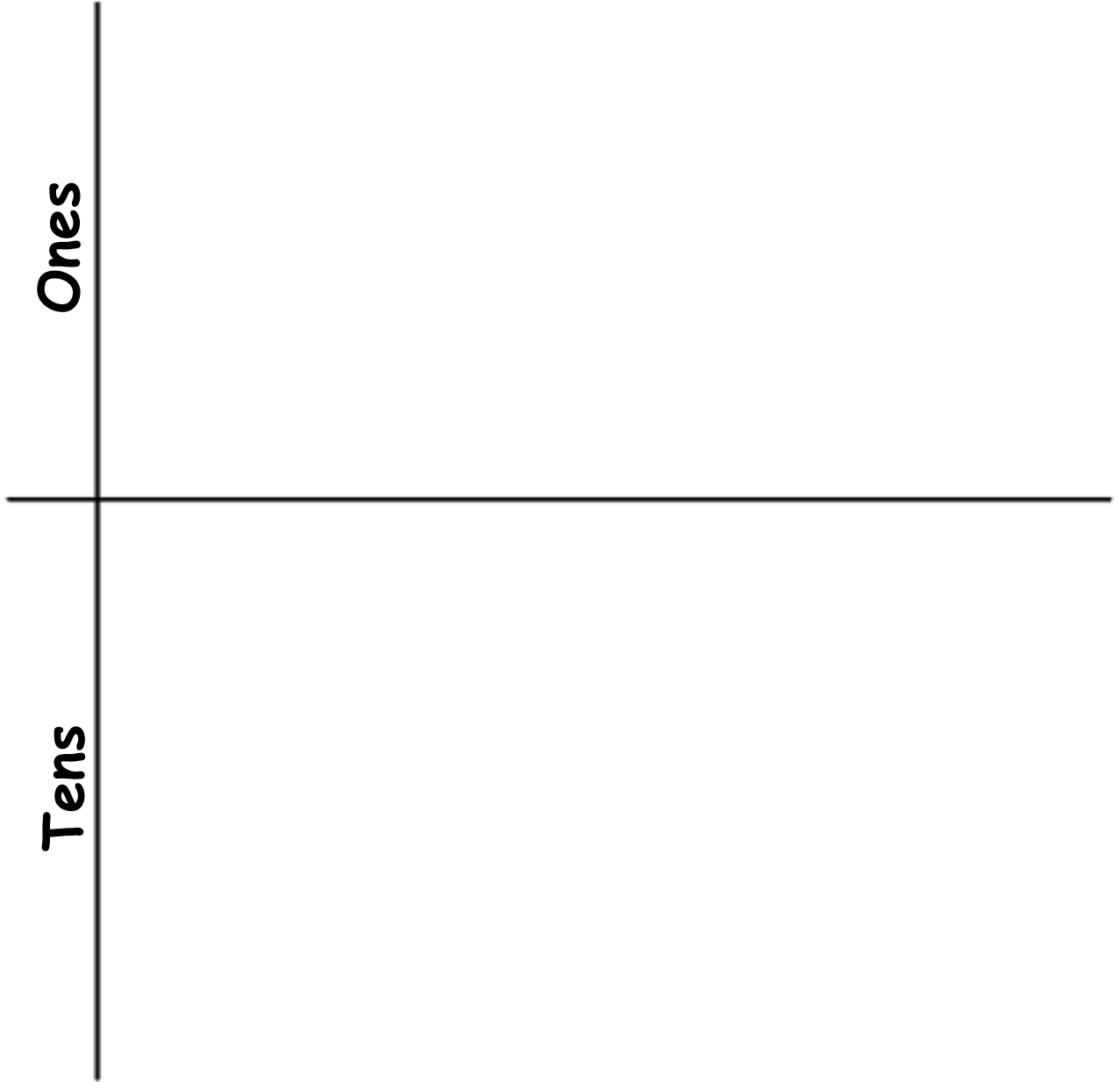
## Let's Talk About It

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

# The Trading Game



Place-Value Mat



# 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.

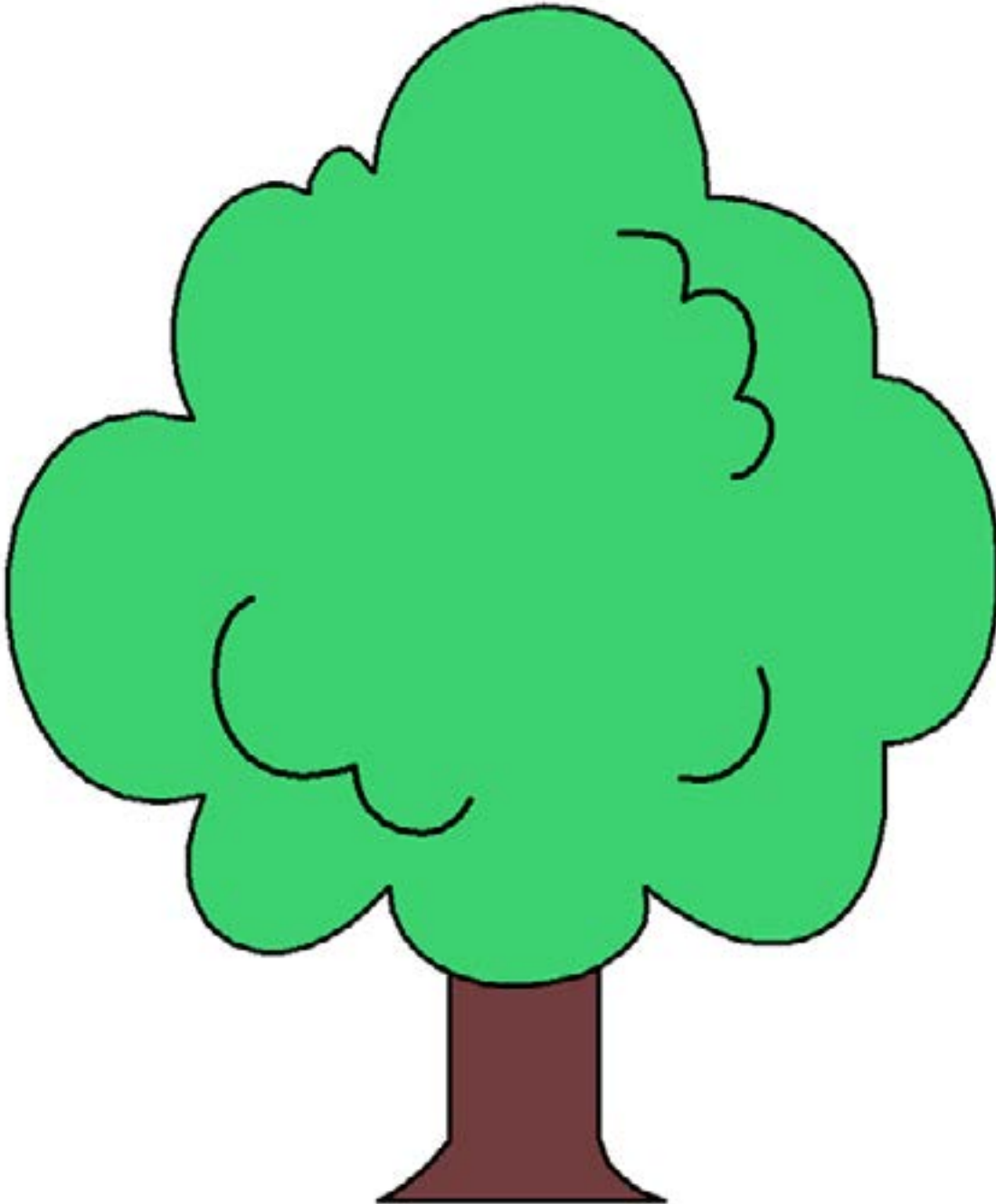
Numbers are made up of smaller numbers. For example, 12 can be thought of 2 and 3 and 4 and 3.



## 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

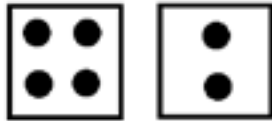
Number of Players: 2 or more

## 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.



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!

Addition is the act of joining  
or combining two or more  
quantities.

## 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



2	3	4	5	6	7	8	9	10	11	12

**Sum**



2	3	4	5	6	7	8	9	10	11	12

**Sum**