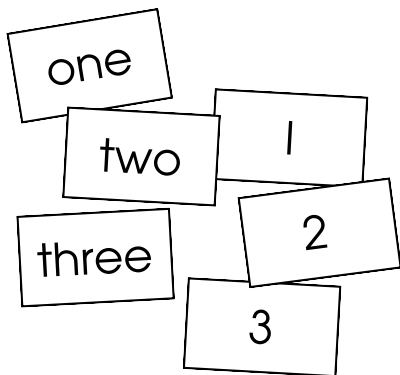


Number and Operations

Ages 5–9

Goals:

- Develop number sense for whole numbers
- Use grouping of 2's, 5's, and 10's with models and pictures
- Use area, region, and set models of fractions to explore part/whole relationships in context
- Develop fluency with single-digit addition and corresponding differences using modeling, composing, and decomposing quantities
- Create, model, and solve problems that use addition, subtraction, equal grouping, and division into fraction form
- Create and solve problems using modeling, composing, and decomposing quantities



Word Up!

Objective: Connect the model, number word, and number using a variety of representations

On separate index cards, print a numeral word (one, two, three, etc.). Determine the quantity based on the ability of the children in your group. In addition, on another set of separate index cards, print numerals to correspond with the set of number words. **Encourage the children to choose a number word, find the corresponding numeral, and then count out a set of Magna-Tiles® to represent the amount.**

Number Collages

Provide old magazines, catalogs, newspaper circulars, etc. **Encourage the children to cut out numbers from 1 to 15 and glue them in order to a long strip of construction paper.**

15 Shapes

(tune: "Old MacDonald")

If I had 15 shapes,
That would be a bunch!
If I gave a shape to you,
How many would I have?
14, 14, I would have just 14.
Then I'd have just one less shape.
I'd have 14!

If I had 14 shapes,
That would be a bunch!
If I gave a shape to you,
How many would I have?
13, 13, I would have just 13.
Then I'd have just one less shape,
I'd have 13!

Continue to count down to 1 shape. Sing the last verse as suggested below.

If I had just 1 shape,
That would not be a bunch!
If I gave a shape to you,
How many would I have?
0 shapes, 0 shapes, I would have just 0 shapes,
Then I would have no more shapes.
I'd have 0 shapes!

