

McRuffy Kindergarten Math

Available from:

McRuffy Press
PO Box 212
Raymore, MO 64083

888-967-1200

www.mcruffy.com

sales@mcruffy.com

The curriculum consists of:

Teacher's Manual

Workbook

Card Set: a set of flashcards, mats, and charts

Students will also need math manipulatives. These can be found in most teacher's stores or a complete kit can be purchased from McRuffy Press.

McRuffy Kindergarten Math

McRuffy Beginning Math is designed to develop a number of basic skills. The primary focuses are number concept and geometric concept development. The manipulatives give the child hands on experiences. The work sheets allow students to apply their skills.

The math curriculum includes: daily lesson plans, work sheets, flash cards, work mats, and tests. A separate manipulative kit is available. Common and easy to find items are not included such as: dimes, nickels, pennies, crayons, pencils, writing paper, glue, and scissors.

Daily lesson plans are generally briefly outlined. Most lessons are fairly self-explanatory. To develop lessons more fully, include a time of review. One way to review is to establish daily routines.

Daily routines can be used to focus the child's attention on math. They are also helpful in building math skills that take time and practice. See the suggested daily routines list for ideas.

Daily Routines

The following is a list of ideas for daily routines. Adapt them, add them, or delete them to fit the needs of the child.

Calendar

Calendar activities are not mentioned anywhere in the lesson plans, but blank calendar sheets are included in the math kit. Calendars can be used several ways.

- 1) Teach the names of the days and months.
- 2) Patterns. Use different colors to write the date.
- 3) Coins. Make the date using coins. (e.g. if the date is the 21st, you can express it by using two dimes and a penny, or four nickels and a penny etc.)
- 4) Place value. Say the digit in the tens column and ones column.
- 5) Counting. Count days of the week, days in the month, and months of the year.

Counting and Number Identification

- 1) Count orally.
- 2) Count using the number chart.
- 3) Use the number flash cards to identify numbers.
- 4) Write numbers.

Shapes

- 1) Review the names of shapes, especially on days when pattern blocks or geoboards are used.

Clock

- 1) Blank clock faces are included for extra practice. Permission is granted to the purchaser of this curriculum to copy it for the purpose of extra practice for the child.
- 2) Time flash cards are included. The child can read the times or set the clock to that time after lesson 104.

List of Manipulatives

- Teddy Bear Counters
- Pattern Blocks
- Linking Cubes
- Geoboard (including colored rubber bands)
- Clock

List of Mats

- Pattern Block Mat 1
- Pattern Block Mat 2
- Other Pattern Block Mats
- Bus Mat
- 1 to 100 Number Chart
- Addition Mat
- Cave Mat
- Tree Mat
- Attribute Shapes (four colors)
- Number Line Board (Mat)
- Number Writing Chart
- Number Word Chart
- Place Value Mat
- Days of the Week
- Months of the Year

Flash Cards

- Numbers 1-20
- Dots
- Number Words
- Times
- Numbers 21-100

Copy Masters are included for the following items:

- Timed Tests (5 tests)
- Calendar Sheets
- Blank Clock Faces
- 100 Square Grid
- 70 Square Grid
- Pattern Block Line Paper
- Paper Geoboard
- Number

Scope and Sequence

Listed below are lessons and their major emphases.

Lessons 1-25

Shapes, larger, smaller

Lessons 26-35

Number recognition

Lessons 36-50

Counting 1 to 20

Lessons 51-55

Greater than, review

Lessons 56-75

Beginning addition

Lessons 76-79

Beginning clock activities

Lessons 80-84

Counting by 1, 5, 10

Lessons 85-89

Telling time

Lessons 90-95

Review

Lessons 96-100

Addition

Lessons 101-104

Reading and writing time notation

Lesson 105-110

Patterns, review other concepts

Lessons 111-112

Ordinal numbers

Lessons 113-115

Review

Lessons 116-135

Addition

Lessons 136-141

Review, counting by 2

Lessons 142-143

Addition (doubles)

Lessons 144-145

Place value, patterns

Lessons 146-149

Longest, shortest

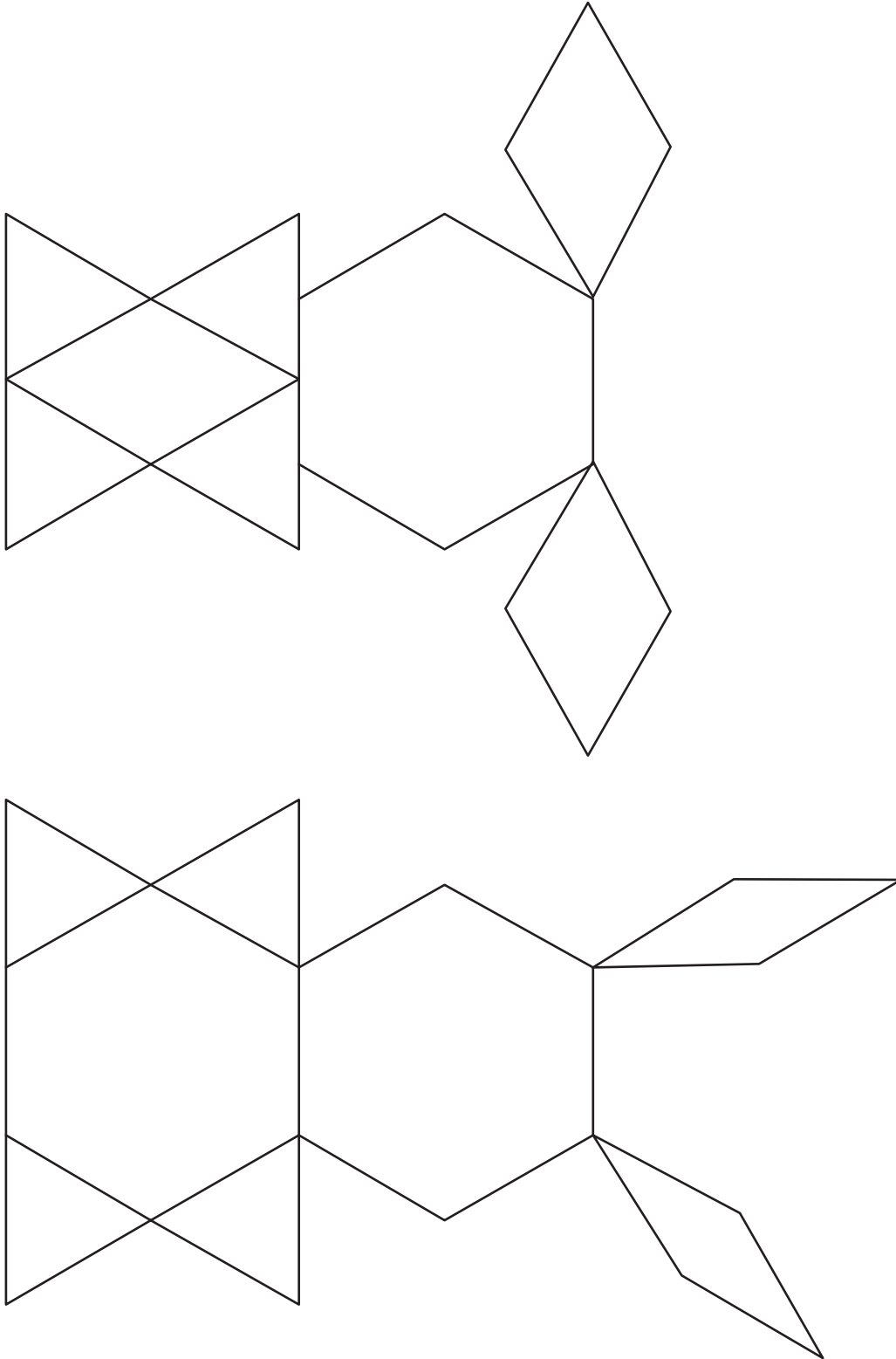
Lessons 150-160

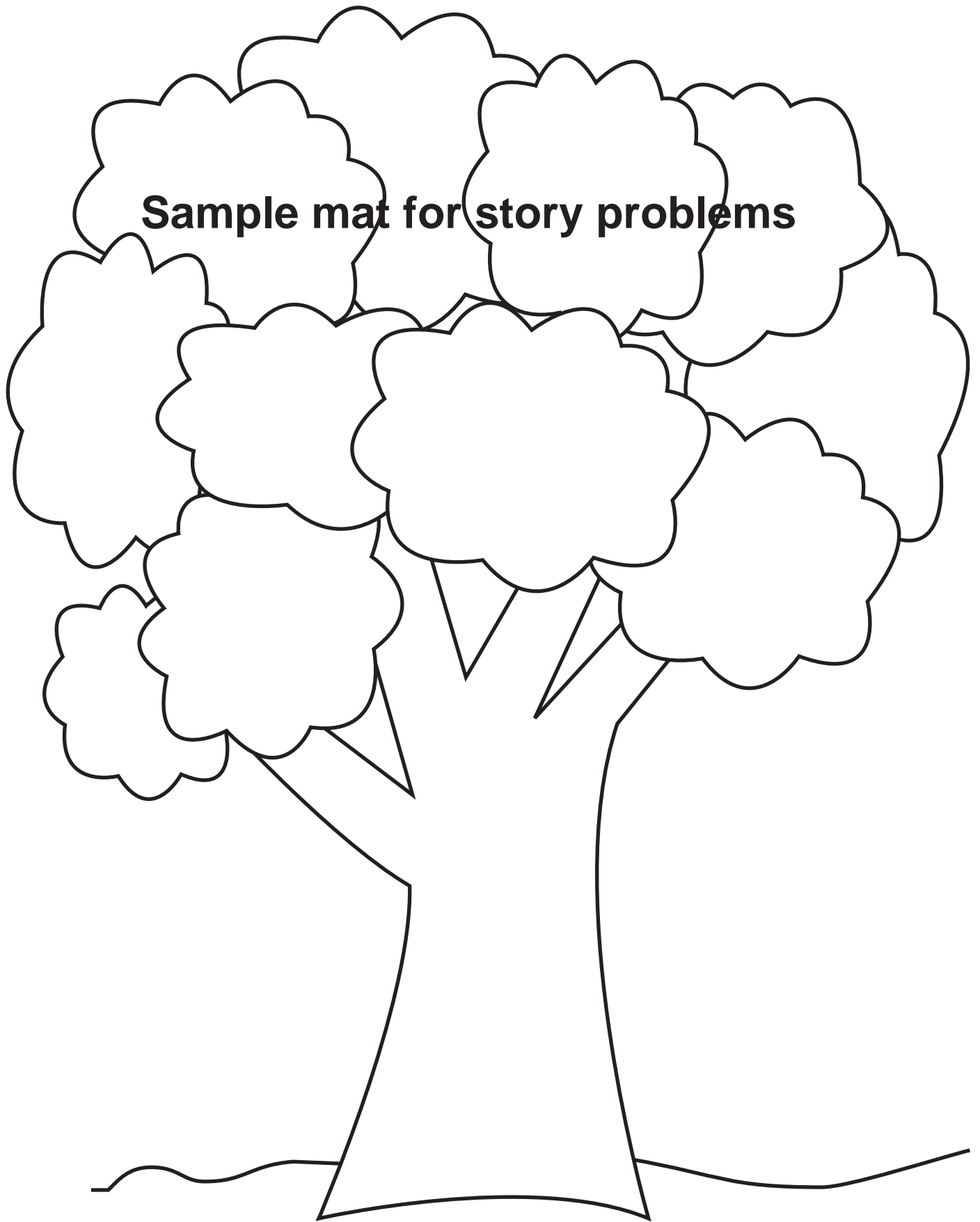
Addition, number words

Lessons 161-175

Before, subtraction

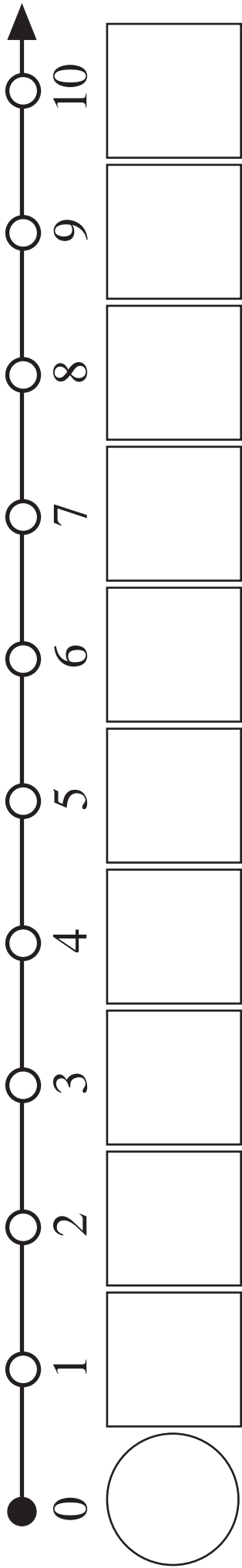
Sample mat for pattern blocks



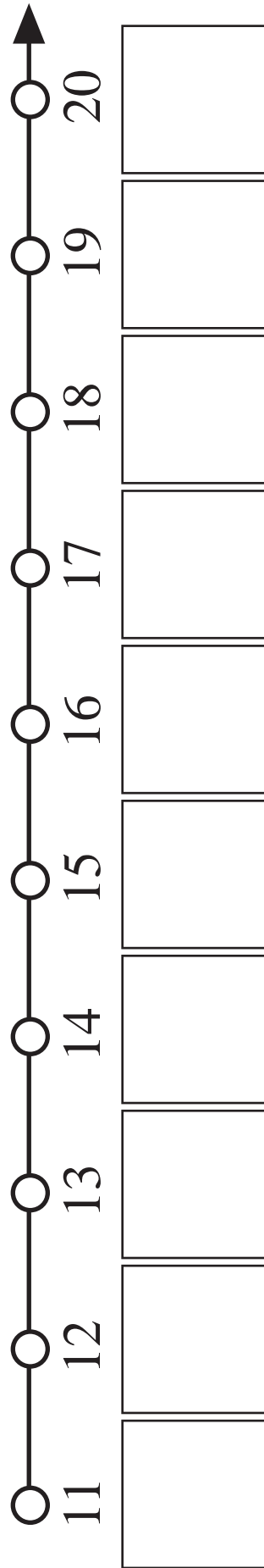


Sample mat for story problems

Tree Mat



Sample Number Line Mat



Number Line

Number Writing Chart

1 One

6 Six

2 Two

7 Seven

3 Three

8 Eight

4 Four

9 Nine

5 Five

10 Ten

Lesson 22

Objective

The child will count to 10.

Materials

Number line

Teaching

The child will move the bear and count to 10. Practice several times.

Lesson 23

Objective

The child will count to 10.

Materials

Pattern blocks

Teaching

Use ten of each shape. Put shapes in mixed small groups. Ask the child to count shapes in different groups. (e.g. 'How many squares are in this group?')

Lesson 24

Objective

The child will count objects to 10.

Materials

Worksheet, linking cubes, crayons

Teaching

Practice counting to 10 using linking cubes.
Have the child do the worksheet

Lesson 25

Objective

The child will make a real graph.

Materials

Pattern blocks

Teaching

Have the child pick two hand fulls of pattern blocks at random. The child will sort and put them in columns like a graph. Ask the child questions over the graph. (e.g. 'What shape has the least number of blocks?')

Lesson 26

Objective

The child will read numbers 1 to 5.

Materials

Teddy bear counters, number cards 1 to 5

Teaching

Set one counter in front of the student. Ask the child to count the bear. Then, have the child find the number card that has that number. Repeat for the numbers 2 through 5. Next, give the child cards at random and have the child group teddy bears to match the number.

Lesson 27

Repeat lesson 26 using pattern blocks instead of teddy bear counters.

Lesson 28

Objective

The child will write the numbers for 1 to 5.

Materials

Pencil, worksheet, number cards

Teaching

Have the child trace over the numbers on the number cards with their fingers. Next, the student should trace over the gray number ones on the worksheet with a pencil, then write the number two more times. Repeat for the numbers 2 to 5.

Lesson 29

Objective

The child will count and write numbers.

Materials

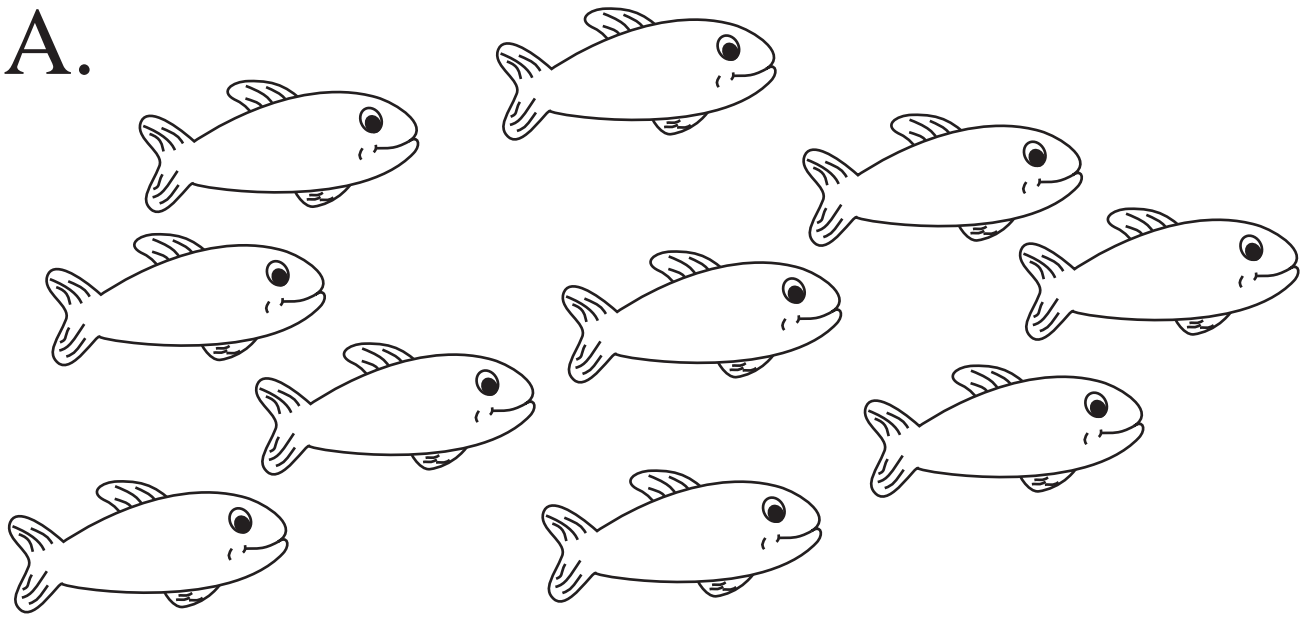
Worksheet, pencil, teddy bear counters, writing paper

Teaching

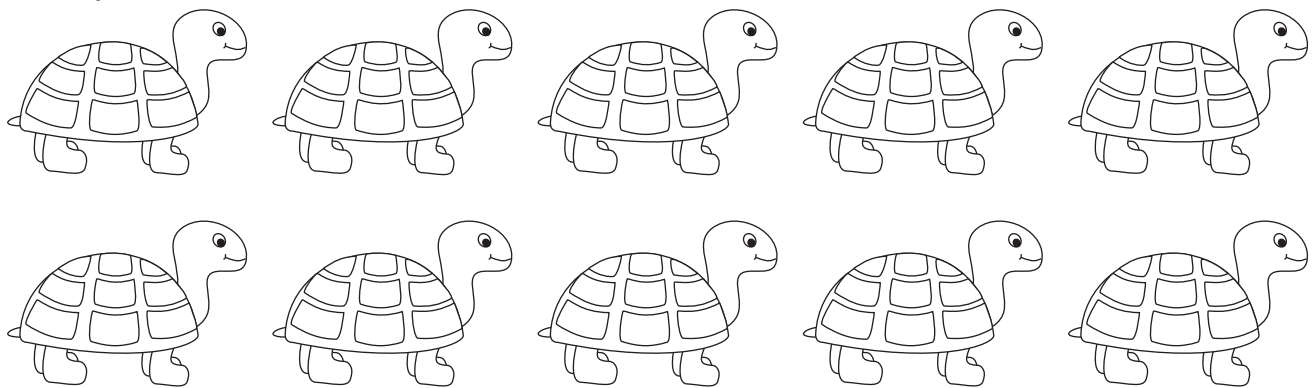
Group 1 to 5 teddy bears. Have the child count them and write the number on the writing paper. Repeat until the child has written each number. On the worksheet, the child will count the objects in each box and write the number on the line.

Name _____

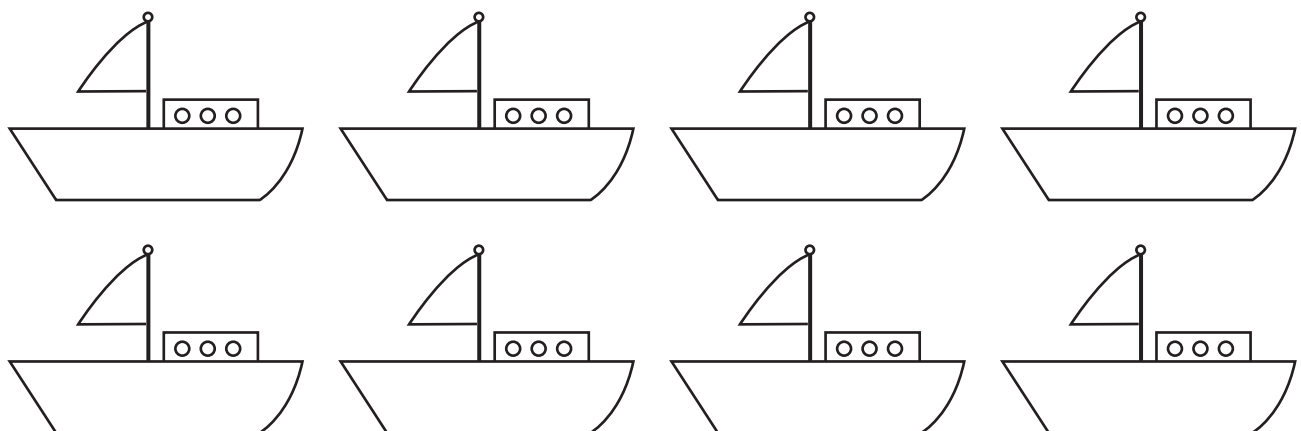
A.



B.

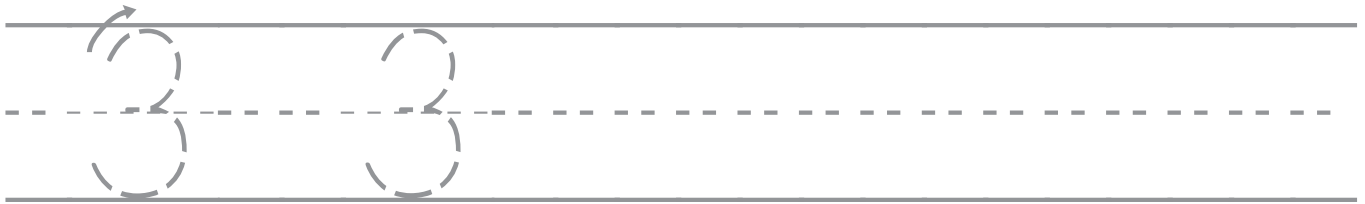
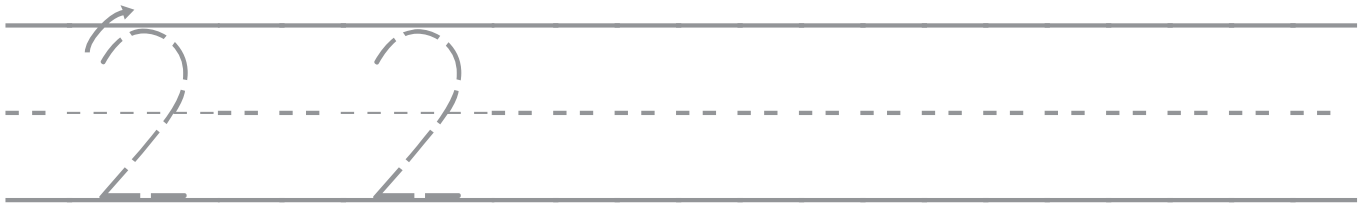
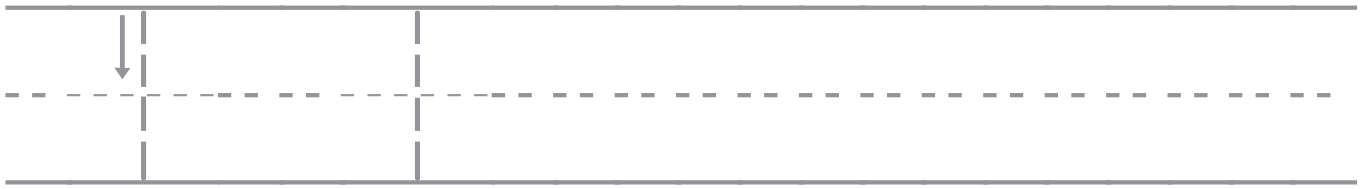


C.



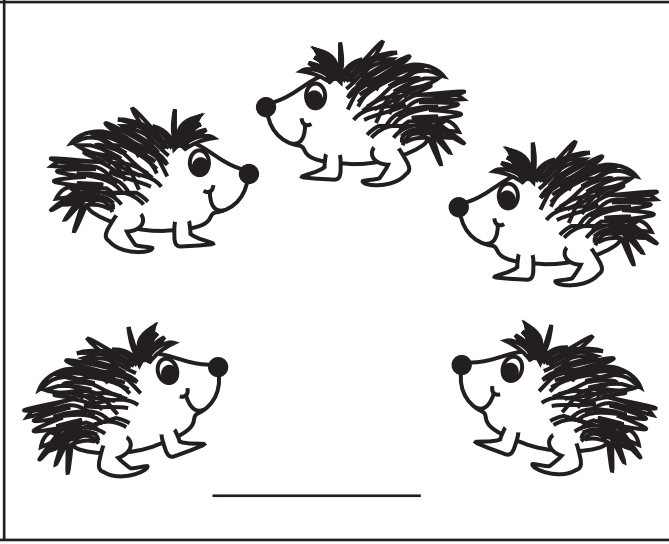
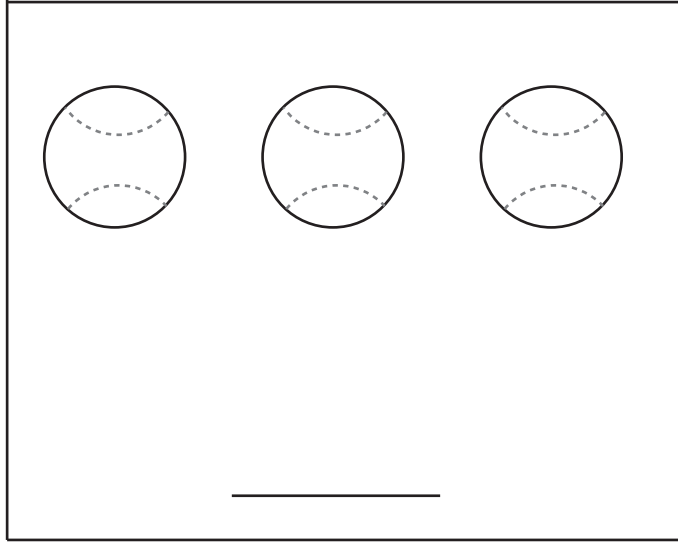
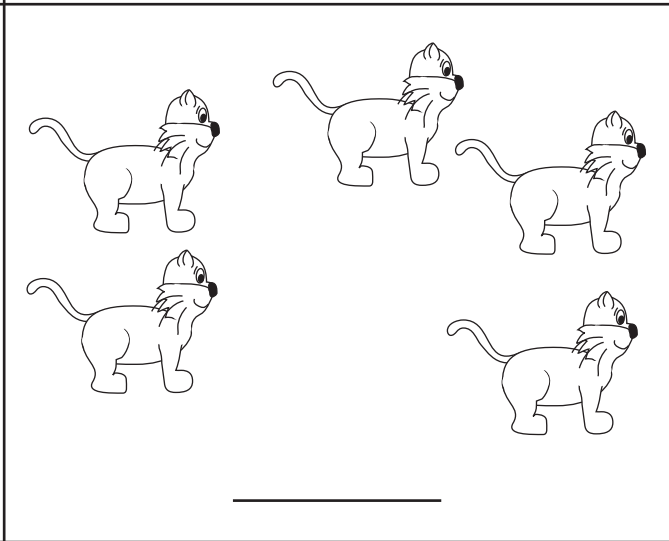
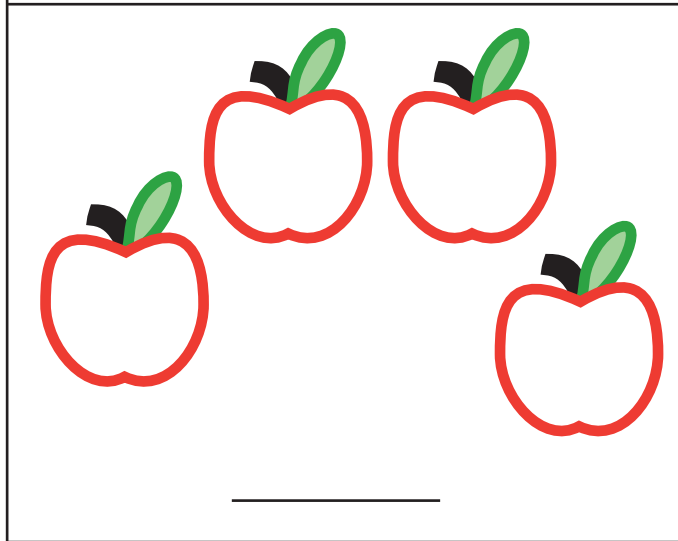
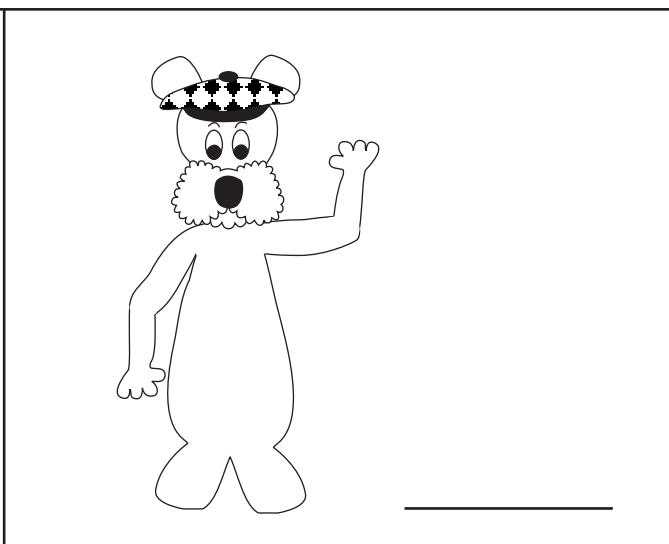
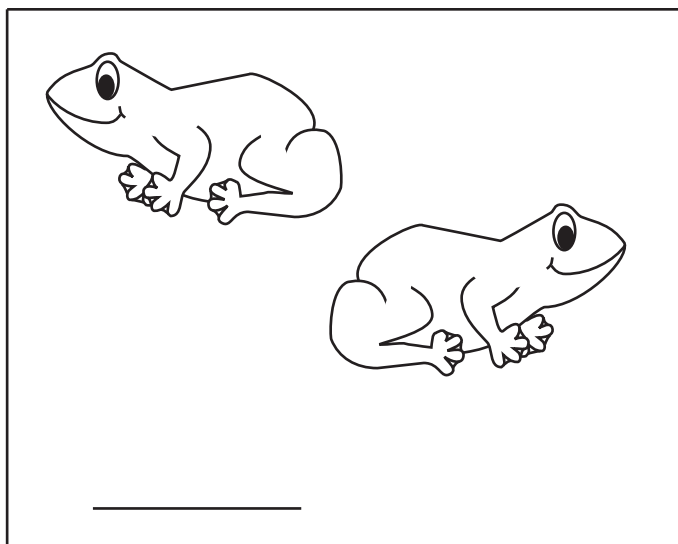
Lesson 24 Counting.
Color (A, 7 fish), (B, 10 turtles), (C, 6 boats)

Name _____



Lesson 28 Writing Numbers 1 to 5.
Trace over the gray numbers. Write each number two more times.

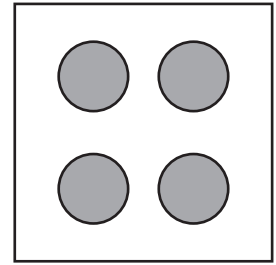
Name _____



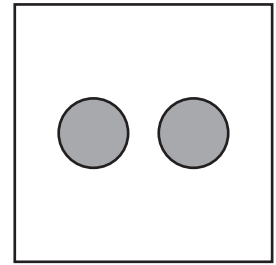
Lesson 29 Counting Objects. Count the objects in each box. Write the number on the line.

Name _____

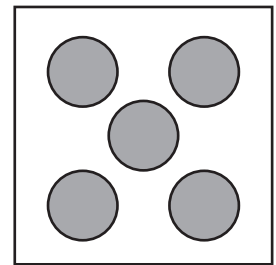
1



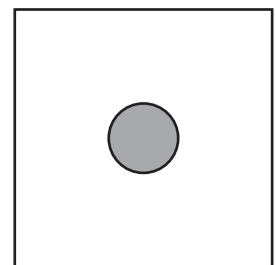
2



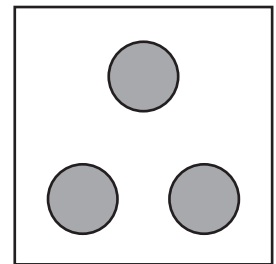
3



4



5



Lesson 30 Matching Number to Objects.
Draw lines from the numbers to the box that has that number of dots.