Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

### KINDERGARTEN MATH MATERIALS

#### Chapter 1 – Classify and Sort

**Attribute blocks**
- Basket
- Blindfold
- Block
- Box
- Buttons
- Cans of corn, peas, carrots
- Card stock
- Celery
- Chenille stems
- Color signs
- Color tiles
- Color tiles
- Color tiles
- Connecting cubes
- Counters
- Cup
- Hula hoops
- Index cards
- Large paper
- Lip balm
- Music
- Music player
- Objects
- Peanut butter
- Picture books about colors
- Picture books about left and right

#### Chapter 2 – Explore Patterns

**Animal-card bags**
- Art materials
- Bag
- Balls
- Beans
- Blocks or sponges
- Buttons
- Card stock
- Cereal
- Clothesline
- Clothespins
- Color tiles
- Color tiles
- Connecting cubes

### ASSUMED MATERIALS

**Assumed materials (all grades)**
- Bible
- Books
- Calculators
- Chair
- Classroom clock
- Colored pencils
- Desk
- Erasers
- Glue sticks
- Hole punch
- Index cards (G2–6)
- Internet access
- Markers
- Meterstick
- Paper (lined, graph (G3–6), white copy)
- Paper clips
- Pencils
- Rulers
- Scissors
- Stapler
- Staples
- Sticky notes
- Table
- Tape (clear, masking)
- Trash can
- Whiteboard (metal, will hold magnets)
- Yardstick

**Assumed materials (GK–3)**
- Classroom calendar (12-month)
- Crayons
- Glue
- Paper (construction)
- Paper towels

**Assumed materials (G4–6)**
- Daily planner
- Highlighters
Counters
Cups
Egg cartons
Large items
Magnetic strips
Manipulatives
Musical instruments
Paper bag
Pattern signs
Pocket chart
Popped and unpopped corn
Pretzels
Shape bags
Sidewalk chalk
Socks
Stickers
Teddy bear
Toy farm animals
Toys
Workmats
Ziplock bags

Chapter 3 – Count and Match
Apples
Attribute blocks
Beans
Bowl
Buttons
Card stock
Cereal
Chenille stems
Color tiles
Connecting cubes
Containers
Counters
Crackers
Cups
Drawing paper
Egg cartons
Gummy worms
Index cards
Ladybug counting signs
Magnetic strip
Manipulatives
Music
Music player
Nests
Number cubes
Play dough
Potatoes
Pushpins
Stamps
Stickers
Stuffed animals
Trays
Wooden blocks
Ziplock bags

Chapter 4 – Numbers 0–5
Apples
Balls
Classroom objects
Clothespins
Color tiles
Connecting cubes
Cotton swabs
Counters
Counting books
Cups
Folder
Items for gluing
Knife
Labels
Lunch boxes
Magnets
Mail or unused envelopes
Music
Music player
Number-card bags
Paint
Paint bags
Pictures of firefighters
Sign
Stickers
Teddy bears
Toy cars

Chapter 5 – Numbers 6–10
Beans
Blocks
Bowling set
Boxed foods
Canned foods
Card stock
Clothesline number line
Clothespins
Clothing items
Connecting cubes
Counters
Counting books
Cups
Envelopes
Grocery bags
Hangers
Index cards
Magnets
Number signs
Number-card bags
Pasta
Pennies
Poster board
Rubber bands
Rubber stamps
Sandpaper
Shower liner
Stickers
Straws
Stuffed animals or toy animals
Toy dog
Toys
Washable ink pads
Whiteboard
Yarn

Chapter 6 – Solids, Shapes, and Equal Parts
Attribute blocks
Bags
Ball
Blocks
Boxes
Can
Can of food
Can of tuna
Card stock
Chenille stems
Christian flag
Clay
Counters
Crackers
Craft sticks
Cups
Cutting tool
Flashlight
Foam shapes (Foam geometric solids)
Folded-shapes bags
Funnel
Geoboards
Geometric shapes (Geometric solids)
Globe
Hat
Marshmallows
Music
Music player
Paint
Paper bags
Paper-towel tube
Parrot puppets
Party favors
Pattern blocks
Pencil boxes
Plane shapes
Plates
Play dough
Poster board
Puppets
Rubber bands
Shape items
Shaving cream
Smocks
Spaghetti
Straw
Yarn
Ziplock bags

Chapter 7 – Look at Larger Numbers
Beans
Bear counters
Birthday cake
Bottle caps
Card stock
Chalkboard
Collections of small items
Connecting cubes
Containers
cotton swabs
Counters
Craft sticks
Cups
Egg carton
Flyswatter
Game chips
Index cards
Jars
Jelly beans
Label
Magnets
Marbles
Number-card bags
Plastic eggs
Rewards
Ribbon or string
Rubber bands
Sentence strips
Shoe prints
Shower curtain
Shower curtain ten-frame
Sponges
Spoon
Stamps
Stickers
Straws
Ten-frame workmats

Chapter 8 – Count and Sequence
Attribute blocks
Balls
Blocks
Books about seasons
Bowl
Boxes
Camera
Card stock
Chalk
Classroom items
Connecting cubes
Counters
Cups
Flour
Games
Geometric shapes (Geometric solids)
Hula hoops
Index cards
Jump ropes
Magnets
Months-of-the-year cards
Number lines
Ordinal number cards
Paint
Paintbrushes
Paper towel
Plates
Poster board
Ramp
Salt
Sandwich items
Schedule cards
Sequencing cards
Small objects
Spoons
Stirrer
Toy

Water
Ziplock bag
Toy cars
Traced-hand mats
Vinegar
Water
Watercolors
Ziplock bags

Chapter 9 – Count Money
Apron
Bags
Bank sign
Beanbags
Bin
Bowls
Buckets
Bulletin board paper
Card stock
Card-stock coins
Cash box
Clothesline
Clothespins
Coin bags
Coin workmats
Coins
Connecting cubes
Containers
Dollar bill
Game chips
Games
Index cards
Lunch bag
Magnetic coins
Magnets
Manipulatives
Money sign
Music
Music player
Nickels
Number cubes
Paper coins
Pennies
Price tags
Prizes
Quarters
Rug
Sand
Store items
Toy cash register
Ziplock bags

Chapter 10 – Tell Time
Card stock
Clocks
Connecting cubes
Demonstration clock
Digital clock
Digital time cards
Game chips
Index cards
Magnets
Music
Music player
Poster board
Schedule cards
Stopwatch
Student clocks

Chapter 11 – Discover Addition
Animal crackers
Animal cubes
Animal signs
Animal toys
Beanbags
Beans
Bowls
Bulletin board paper
Card stock
Cereal
Color tiles
Connecting cubes
Counters
cups
Dominoes
Drawing paper
Floor number line
Hula hoop

Chapter 12 – Discover Subtraction
Balls
Beads
Beanbag
Beans
Bulletin board paper
Chenille stems
Classroom items
Color tiles
Connecting cubes
Cookies
Counters
Crackers
Cups
Dimes
Facial tissues
Five-frames
Floor number line
Gloves
Chapter 13 – Measurement
Balance scale
Beans
Bottles
Bowls
Boxes
Can of food
Cans of tomato paste
Card stock
Chenille stems
Classroom items
Clothes hangers
Connecting cubes
Containers
Counters
Covered basket
Cups
Demonstration clock
Demonstration thermometer
Drinking glasses
Drinking straws
Flour
Food coloring
Funnel
Garden items
Garden-theme shapes
Grapes
Hanger balance scales
Ice
Index cards
Interview assessments
Items to weigh
Jar
Jar of peanut butter
Magazines
Measurement tools
Measuring cups
Measuring-strip bags
Microwave
Music
Music player
Nonstandard measures
Objects to measure
Paper bag
Pennies
Plates
Popcorn kernels
Rice
Sand
Saucepan
Scales
Scoops
Sets of objects
Spoon
Student thermometers
Sugar
Thermometers
Treats
Tubs
Water
Yarn
Ziplock bag

Chapter 1 – Classify and Sort
Up Above and Down Below by Sue Redding (Chronicle Books, 2013)


Chapter 2 – Explore Patterns


Farm Patterns by Nathan Olson (Capstone Press, 2007)

Teddy Bear Patterns by Barbara Barbieri McGrath (Charlesbridge, 2013)

Lots and Lots of Zebra Stripes: Patterns in Nature by Stephen R. Swinburne (Boyds Mills Press, 2002)

Chapter 3 – Count and Match
Ten Little Ladybugs by Melanie Gerth (Piggy Toes Press, 2006)

Chapter 4 – Numbers 0–5
Helpers in My Community by Bobbie Kalman (Crabtree, 2011)

Zero by Kathryn Otoshi (KO Kids Books, 2010)
Chapter 5 – Numbers 6–10
Ten Black Dots Board Book by Donald Crews (Greenwillow Books, 2012)
God Made Seasons by Amelia Shearer (Happy Day Books, 2014)

Chapter 6 – Solids, Shapes, and Equal Parts
3D-Shapes by Marina Cohen (Crabtree, 2010)
Birthday Customs Around the World by Sarah L. Schuette (Capstone Press, 2010)
Birthday Traditions Around the World by Ann Ingalls (Child’s World, 2013)
What Is Symmetry in Nature? by Bobbie Kalman (Crabtree, 2010)
Shapes! by National Geographic Kids (National Geographic Society, 2012)

Chapter 7 – Look at Larger Numbers
The Twelve Days of Kindergarten by Deborah Lee Rose (Harry N. Abrams, 2003)
1 to 20, Animals Aplenty by Katie Viggers (POW, 2014)
Richard Scarry’s Best Counting Book Ever by Richard Scarry (Sterling, 2010)
Let’s Count to 100! by Masayuki Sebe (Kids Can Press, 2014)

Chapter 8 – Count and Sequence
Skip Counting with Meerkats by Tracey Steffora (Heinemann-Raintree, 2013)
Reese’s Pieces Count by Tens by Jerry Pallotta (Scholastic, 2004)
10 Little Rubber Ducks by Eric Carle (HarperCollins, 2005)
Seven Blind Mice by Ed Young (Philomel, 2012)

Chapter 9 – Count Money
Money Matters series by Mary Hill (Children’s Press, 2005)
Quarters by Mary Hill (Children’s Press, 2005)
A Dollar Bill’s Journey by Suzanne Slade (Capstone Press, 2011)
You Can’t Buy a Dinosaur with a Dime by Harriet Ziefert (Blue Apple Books, 2011)
Careless at the Carnival: Junior Discovers Spending by Dave Ramsey (Lampo Press, 2003)
Little Critter: Just Saving My Money by Mercer Mayer (HarperCollins, 2010)

Chapter 10 – Tell Time
No resources are recommended.

Chapter 11 – Discover Addition
Teddy Bear Addition by Barbara Barbieri McGrath (Charlesbridge, 2014)
Help Me Learn Addition by Jean Marzollo (Holiday House, 2012)
Double Play: Monkeying Around with Addition by Betsy Franco (Tricycle, 2011)

Chapter 12 – Discover Subtraction
Benny’s Pennies by Pat Brisson (Bantam Doubleday Dell Books for Young Readers, 1995)

Chapter 13 – Measurement
The Royal Treasure Measure by Trudy Harris (Millbrook Press Trade, 2012)
How Do You Measure Length and Distance? by Thomas K. and Heather Adamson (Capstone Press, 2011)
The Best Bug Parade by Stuart J. Murphy (HarperCollins, 1996)
The Long and Short of It by Cheryl Nathan and Lisa McCourt (Bridgewater Books, 1998)
A Beach for Albert by Eleanor May (Kane Press, 2013)
How Do You Measure Weight? by Thomas K. and Heather Adamson (Capstone, 2011)
Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

**Grade 1 MATH MATERIALS**

**Chapter 1 – Getting Started**

Apple
Attribute blocks
Bell
Calendar
Card stock
Classroom objects
Coin purses
Coins
Color tiles
Colored paper
Connecting cubes
Containers
Counters
Flash cards
Hundred charts
Index cards
Ink pads
Mirrors
Nickels
Number cubes
Paint
Pattern blocks
Traffic cone
Wet wipes

**Chapter 2 – Shapes, Sets, and Counting**

Brad fasteners

**Chapter 3 – Addition and Subtraction Facts**

Card stock
Connecting cubes
Container
Counters
Flash cards
Jump rope
Manipulatives
Number lines
Pattern blocks
Pennies
Pom-poms
Poster board
Seashells
Timer
Whiteboards
Ziplock bags

**ASSUMED MATERIALS**

**Assumed materials (all grades)**

Bible
Books
Calculators
Chair
Classroom clock
Colored pencils
Desk
Erasers
Glue sticks
Hole punch
Index cards (G2–6)
Internet access
Markers
Meterstick
Paper (lined, graph (G3–6), white copy)
Paper clips
Pencils
Rulers
Scissors
Stapler
Staples
Sticky notes
Table
Tape (clear, masking)
Trash can
Whiteboard (metal, will hold magnets)
Yardstick

**Assumed materials (GK–3)**

Classroom calendar (12-month)
Crayons
Glue
Paper (construction)
Paper towels

**Assumed materials (G4–6)**

Daily planner
Highlighters

Card stock
Chenille stems
Coins
Colored paper
Connecting cubes
Containers
Counters
Flash cards
Hundred charts
Index cards
Ink pads
Mirrors
Nickels
Number cubes
Paint
Pattern blocks
Traffic cone
Wet wipes
Plastic material
Repositionable tape
Shoe box
Sidewalk chalk
Ziplock bags

Chapter 4 – Time and Money
Bell
Books
Brad fasteners
Buttons
Calendar
Card stock
Colored paper
Counters
Demonstration clock
dimes
Display coins
dollar bill
Flash cards
Index cards
Nickels
Number cubes
Pennies
Pocket chart
Quarters
Sentence strips
Stickers
Student clocks

Chapter 5 – Place Value
Base 10 blocks
Beanbags
Beans
Buckets
Color tiles
Connecting cubes
Container
Cotton balls
Counters
dimes
Envelopes
Flash cards
Index cards
Number cubes
Paper cups
Pennies
Table settings
Toys
Workmats

Chapter 6 – Measurement
1-kg objects
1-lb objects
Advertisements
Balls
Bathroom scale
Beans
Boxes
Brad fasteners
can
Card stock
Connecting cubes
Containers
Customary-units and metric-units toolboxes
Demonstration clock
Demonstration thermometer
digital kitchen scale
Dry foods
Funnels
Geometric solid models (Geometric solids)
Ice cream cone
Index cards
Jars
Lima beans
Measuring cups
Notebooks
Pennies
Pinto beans
Pitcher
Poster board
Ribbon
Rice
Shoe boxes
Small objects
Spoons
tape measures
Yarn

Chapter 7 – Using Numbers to 100
Ball
Base 10 blocks
card stock
Connecting cubes
Counters
Flash cards
Freddy Fish
Hundred chart
Index cards
Ink pads
Magnet
Number cubes
Pattern blocks
Stopwatches
String
Stuffed animal
Whiteboards
Workmats

Chapter 8 – Fractions
Bowl
Cardboard
Color tiles
Colored paper
Connecting cubes
Cookies
Counters
Felt
Foods
Geobands
Geoboards
Index cards
Liquid measuring set (measuring cups)
Measuring spoons
Paper bag
Pattern blocks
Pennies
Plastic knives
Plates
Sidewalk chalk
Sugar
Whiteboards
Yarn
Ziplock bags

Chapter 9 – Two- and Three-Digit Numbers
Base 10 blocks
Beans
Card stock
Coins
Connecting cubes
Container
Cups
Dimes
Dollars
Flash cards
Index cards
Number cubes
Oversized number cube
Painter’s tape
Pennies
Timer
Whiteboards
Workmats
Ziplock bags

Chapter 10 – Graphs and Maps
Beans
Bear counters
Bulletin board paper
Buttons
Card stock
Color tiles
Globe
Index cards
Macaroni
Manipulatives
Maps
Newspaper
One Fish Two Fish Red Fish Blue Fish
by Dr. Seuss
Pattern blocks
Pennies
Play dough
Straws
Yarn
Ziplock bags

Chapter 11 – Problem Solving
Box
Calendar
Chest
Color tiles
Connecting cubes
Containers
Counters
Demonstration clock
Display coins
Dominoes
Flash cards
Funnel
Measuring cup
Measuring spoons
Nickels
Number cards
Number cubes
Pattern blocks
Pennies
Pitcher
Quarters
Rice
Stickers
Student clocks
Tape measures
Water
Workmats

Chapter 12 – Cumulative Review
Bag
Base 10 blocks
Bottle
Bowl
Bulletin board paper
Coffee cup
Coins
Color tiles
Colored paper
Connecting cubes
Counters
Demonstration clock
Digital kitchen scale
Dimes
Display coins
Dollar bills
Dominoes
Flash cards
Funnel
Measuring cup
Measuring spoons
Nickels
Number cards
Number cubes
Pattern blocks
Pennies
Pitcher
Quarters
Rice
Stickers
Student clocks
Tape measures
Water
Workmats

Grade 1
RECOMMENDED RESOURCES

Chapter 1 – Getting Started
Apple Countdown by Joan Holub
(Albert Whitman and Company, 2014)
<table>
<thead>
<tr>
<th>Chapter 2 – Shapes, Sets, and Counting</th>
<th>Chapter 8 – Fractions</th>
</tr>
</thead>
<tbody>
<tr>
<td>No resources are recommended.</td>
<td>A Fraction’s Goal—Parts of a Whole by Brian P. Cleary (Lerner Publishing Group, 2013)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 3 – Addition and Subtraction Facts</th>
<th>Chapter 9 – Two- and Three-Digit Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two of Everything by Lily Toy Hong (Albert Whitman &amp; Company, 2014)</td>
<td>What’s New At the Zoo? An Animal Adding Adventure by Suzanne Slade (Sylvan Dell, 2009)</td>
</tr>
<tr>
<td></td>
<td>If You Were a Minus Sign by Trisha Speed Shaskan (Picture Window Books, 2014)</td>
</tr>
<tr>
<td></td>
<td>What’s the Difference? An Endangered Animal Subtraction Story by Suzanne Slade (Sylvan Dell, 2010)</td>
</tr>
<tr>
<td></td>
<td>Bedtime Math by Laura Overdeck (Feiwel &amp; Friends, 2013)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 4 – Time and Money</th>
<th>Chapter 10 – Graphs and Maps</th>
</tr>
</thead>
<tbody>
<tr>
<td>At the Same Moment, Around the World by Clotilde Perrin (Chronicle Books, 2014)</td>
<td>One Fish Two Fish Red Fish Blue Fish by Dr. Seuss (Random House Books for Young Readers, 1960)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 5 – Place Value</th>
<th>Chapter 11 – Problem Solving</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Chapter 6 – Measurement</th>
<th>Chapter 12 – Cumulative Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>No resources are recommended.</td>
<td>Telling Time by Patricia J. Murphy (Penguin Group, 2013)</td>
</tr>
<tr>
<td></td>
<td>Me Counting Time: From Seconds to Centuries by Joan Sweeney (Random House, 2014)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 7 – Using Numbers to 100</th>
<th>Chapter 8 – Fractions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ready, Set, 100th Day! by Nancy Elizabeth Wallace (Two Lions, 2011)</td>
<td>A Fraction’s Goal—Parts of a Whole by Brian P. Cleary (Lerner Publishing Group, 2013)</td>
</tr>
<tr>
<td>The Six Swans by Jacob and Wilhelm Grimm (NorthSouth, 2014)</td>
<td></td>
</tr>
<tr>
<td>Six Little Chicks by Jez Alborough (Barron’s Educational Series, 2013)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 11 – Problem Solving</th>
<th>Chapter 12 – Cumulative Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Second, a Minute, a Week with Days in It: A Book about Time by Brian P. Cleary (Millbrook, 2013)</td>
<td>Me Counting Time: From Seconds to Centuries by Joan Sweeney (Random House, 2014)</td>
</tr>
<tr>
<td>Tick Tock Clock by Margery Cuyler (HarperCollins, 2012)</td>
<td></td>
</tr>
<tr>
<td>Math-Terpieces: The Art of Problem-Solving by Greg Tang (Scholastic, 2009)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chapter 12 – Cumulative Review</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Telling Time by Patricia J. Murphy (Penguin Group, 2013)</td>
<td></td>
</tr>
<tr>
<td>Me Counting Time: From Seconds to Centuries by Joan Sweeney (Random House, 2014)</td>
<td></td>
</tr>
</tbody>
</table>
Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

**Grade 2 MATH MATERIALS**

**Chapter 1 – Patterns and Place Value**
- Attribute blocks
- Base 10 blocks
- Bills
- Card stock
- Coins
- Color tiles
- Connecting cubes
- Counters
- Dimes
- Envelopes
- File folders
- Math journals
- Nickels
- Pattern blocks
- Pennies
- Pictures
- Stickers
- Stuffed animals
- Workmats
- Ziplock bags

**Chapter 2 – Addition and Subtraction**
- Ball
- Beanbags
- Binder clips
- Bottles
- Card stock
- Clothes pins
- Color tiles

**Chapter 3 – Geometry and Measurement**
- Attribute blocks
- Bags
- Base 10 blocks
- Basketball
- Box
- Brad fasteners
- Bulletin board paper
- Card stock
- Centimeter rulers
- Cereal
- Circular objects
- Cone
- Connecting cubes
- Counters
- Craft sticks

**ASSUMED MATERIALS**

**Assumed materials (all grades)**
- Bible
- Books
- Calculators
- Chair
- Classroom clock
- Colored pencils
- Desk
- Erasers
- Glue sticks
- Hole punch
- Index cards (G2–6)
- Internet access
- Markers
- Meterstick
- Paper (lined, graph (G3–6), white copy)
- Paper clips
- Pencils
- Rulers
- Scissors
- Stapler
- Staples
- Sticky notes
- Table
- Tape (clear, masking)
- Trash can
- Whiteboard (metal, will hold magnets)
- Yardstick

**Assumed materials (GK–3)**
- Classroom calendar (12-month)
- Crayons
- Glue
- Paper (construction)
- Paper towels

**Assumed materials (G4–6)**
- Daily planner
- Highlighters
Cylinder
Demonstration clock
Dimes
Flash cards
Geobands
Geoboards
Geometric solids
Graph paper
Jar with 100 pieces of candy
Lunch bag
Manipulatives
Measuring tools
Metersticks
Modeling clay
Nickels
Number cube
Pattern blocks
Pennies
Quilt
Rope
Sheet of 11" × 17" paper
Small cubes
Sphere
Stopwatch
Straws
String
Tape measure
Toothpicks
Yardsticks
Yarn
Ziplock bags

Chapter 4 – Place Value to Thousands
$1 bills
Bags
Base 10 blocks
Beanbags
Books with more than 50 pages
Bulletin board paper
Chenille stems
Dimes
Marshmallows
Number cubes
Pennies
Pretzels
Rubber bands
Straws
Toothpicks
Workmats
Yarn
Ziplock bags

Chapter 5 – Multiplication and Division
2s cards
Basket
Card stock
Color tiles
Connecting cubes
Counters
Dimes
Geoboards
Manipulatives
Multiplication flash cards
Nickels
Nickel-store items
Price tags
Small objects
Ziplock bags

Chapter 6 – Time and Money
$1 bills
$5 bills
$10 bills
$20 bills
12-month calendars
Alarm clock
Bills
Books on time and money
Buttons
Calendar with seasonal artwork
Card stock
Catalogs
Coins
Connecting cubes

Chapter 7 – 2-Digit Addition and Subtraction
12-month calendars
12-section muffin tins
Apron
Bags
Base 10 blocks
Bases
Beanbags
Book about buttons
Book about two-digit numbers
Buttons
Chalkboard
Clipboards
Clothespins
Coins
Connecting cubes
Container
Containers of bubble solution
Craft pom-poms
Cups
Dimes
Dried beans
Chapter 8 – Addition with Regrouping

$1 bills
$10 bills
$100 bills
$1000 bills
10-base blocks
Base 10 blocks
Beanbags
Beans
Beverages
Beverages and snacks
Beverages for children
Blank number lines
Blue cards
Books
Books about birds of prey
Buttons
Card stock
Card stock for children
Card stock for teachers
Cans
Cans of food
Cans of milk
Cans of soda
Cans of water
Cereal
Cereal boxes
Cereal for children
Cereal for teachers
Chalk
Children's books
Classroom materials
Classroom items
Classroom supplies
Coin
Coin for children
Coin for teachers
Coins
Connect
Connecting cubes
Containers
Counters
Dimes
Egg carton
Egg carton for children
Egg carton for teachers
Eggs
Eggs for children
Eggs for teachers
Envelopes
Flash cards
Game markers
Manipulatives
Napkins
Nickels
Number cubes
Paper bags
Pennies
Poster board
Price tags
Quarters
Rubber bands
Sales flyers
Sidewalk chalk
Snacks
Student clocks
Toothpicks
Triangle flash cards
Workmats
Ziplock bags

Chapter 9 – Subtraction with Regrouping

$1 bills
$10 bills
Advertisements
Base 10 blocks
Bedsheets
Books
Books about birds of prey
Buttons
Card stock
Card stock for children
Card stock for teachers
Cans
Cans of food
Cans of milk
Cans of soda
Cans of water
Cereal
Cereal boxes
Cereal for children
Cereal for teachers
Chalk
Children's books
Classroom materials
Classroom items
Classroom supplies
Coins
Connect
Connecting cubes
Containers
Counters
Dimes
Egg carton
Egg carton for children
Egg carton for teachers
Eggs
Eggs for children
Eggs for teachers
Envelopes
Flash cards
Game markers
Manipulatives
Napkins
Nickels
Number cubes
Paper bags
Pennies
Poster board
Price tags
Quarters
Rubber bands
Sales flyers
Sidewalk chalk
Snacks
Student clocks
Toothpicks
Triangle flash cards
Workmats
Ziplock bags

Chapter 10 – Larger Numbers

$1 bills
Base 10 blocks
Beanbag
Blank number lines
Books about place value
Bulletin board paper
Connecting cubes
Digit cards
Dimes
Egg carton
Extendable spring toy
Graph paper
Highlighters
Laminating sheets
Large sheet of paper
Notebook
Old books
Painter's tape
Paper bags
Pennies
Popcorn bucket
Poster-board squares
Snacks
Spinners
Stickers
Subtraction matching cards
Workmats
Yarn
Yellow paper squares
Ziplock bags

Chapter 11 – Fractions and Measurement

1-kg objects
1-lb bag of dried beans
Aluminum foil
Baking ingredients and supplies
Balance scale
Bathroom scale
Beanbags
Bowls
Bulletin board paper
Buttons
Candy bar
Cards
Card stock
Chocolate chip
Classroom objects
Colored card stock
Colored paper
Color tiles
Connecting cubes
Containers
Cookie recipe
Copper pennies
Counters
Demonstration thermometer
Digital kitchen scale
Digital scale
File folder
Flash cards
Hats
Interlocking plastic bricks
Knife
Leaves
Manipulatives
Margarine tub lids
Measurement tools
Measuring cups
Measuring spoons
Miniature candy bar
Objects to weigh
Outdoor thermometer
Pattern blocks
Plastic fruit
Plates
Rice
Sand
Scale
Square toaster waffles
Stickers
Stopwatch
Teddy bears
Vases
Water
Yarn
Ziplock bags

Chapter 12 – Cumulative Review
1-lb item
12-month calendars
Attribute blocks
Award
Base 10 blocks
Beach balls
Books on place value
Books on shapes
Card stock
Catalogs
Centimeter graph paper
Coins
Color tiles
Connecting cubes
Containers
Counters
Demonstration clock
Dot paper
Geobands
Geoboard
Geometric solids
Graph paper
Grocery ads
Jar with candies
Music
Music player
Objects to weigh
Paper bag
Pattern blocks
Scale
Small objects
Student clocks
Tape measure
Toy airplanes
Triangle flash cards

Grade 2
RECOMMENDED RESOURCES

Chapter 1 – Patterns and Place Value
Big and Little, Same and Different
(Fun-to-Learn Series, Bantam, 1984)

Chapter 2 – Addition and Subtraction
Domino Addition by Lynette Long
(Charlesbridge, 1996)

Chapter 3 – Geometry and Measurement
Inchworm and a Half by Elinor J. Pinczes
(Houghton Mifflin Books for Young Readers, 2003)

If You Were an Inch or a Centimeter
by Marcie Aboff (Picture Window Books, 2009)

Chapter 4 – Place Value to Thousands
Bats: Biggest! Littlest! by Sandra Markle
(Boyd Mills Press, 2013)

The Goat in the Rug by Charles Blood and Martin Link
(Aladdin, 1990)

Chapter 5 – Multiplication and Division
No resources are recommended.
Chapter 6 – Time and Money
About Time: A First Look at Time and Clocks by Bruce Koscielniak (HMH Books for Young Readers, 2013)

Lemonade in Winter: A Book About Two Kids Counting Money by Emily Jenkins (Schwartz & Wade, 2012)

Three Cups: Give, Save, Spend by Tony Townsley and Mark St. Germain (Thomas Nelson, 2011)

The Tiny Seed by Eric Carle (Little Simon, 2009)

Where the Sidewalk Ends by Shel Silverstein (HarperCollins, 2014)

Chapter 7 – 2-Digit Addition and Subtraction
Shark Swimathon by Stuart J. Murphy (HarperCollins, 2000)

Frog and Toad Are Friends by Arnold Lobel (HarperCollins, 2003)

Pete the Cat and His Four Groovy Buttons by Eric Litwin (HarperCollins, 2012)

The Button Box by Margarete S. Reid (Puffin, 1995)

Chapter 8 – Addition with Regrouping
No resources are recommended.

Chapter 9 – Subtraction with Regrouping
No resources are recommended.

Chapter 10 – Larger Numbers
Sir Cumference and All the King’s Tens by Cindy Neuschwander (Charlesbridge, 2009)

Earth Day—Hooray! by Stuart J. Murphy (HarperCollins, 2004)

Chapter 11 – Fractions and Measurement
Caps for Sale by Esphyr Slobodkina (HarperCollins, 1987)

Chapter 12 – Cumulative Review
Round Is a Mooncake: A Book of Shapes by Roseanne Thong (Chronicle Books, 2014)

Circle, Square, Moose by Kelly Bingham (Greenwillow, 2014)

What’s the Place Value? by Shirley Duke (Rourke, 2012)

Zero the Hero by Joan Holub (Henry Holt, 2012)
ASSUMED MATERIALS

Assumed materials (all grades)
- Bible
- Books
- Calculators
- Chair
- Classroom clock
- Colored pencils
- Desk
- Erasers
- Glue sticks
- Hole punch
- Index cards (G2–6)
- Internet access
- Markers
- Meterstick
- Paper (lined, graph (G3–6), white copy)
- Paper clips
- Pencils
- Rulers
- Scissors
- Stapler
- Staples
- Sticky notes
- Table
- Tape (clear, masking)
- Trash can
- Whiteboard (metal, will hold magnets)
- Yardstick

Assumed materials (GK–3)
- Classroom calendar (12-month)
- Crayons
- Glue
- Paper (construction)
- Paper towels

Assumed materials (G4–6)
- Daily planner
- Highlighters

Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

### Grade 3 MATH MATERIALS

**Chapter 1 – Place Value**
- Base 10 blocks
- Basket
- Beads
- Beanbag
- Brad fastener
- Card stock
- Collection of 100 small items
- Counters
- Cups
- Encyclopedia
- Game markers
- Individual whiteboards
- Map
- Newspaper
- Number cubes
- Place value cubes
- Plastic lid
- Play dough
- Sales flyers
- Socks
- Stickers
- Workmats
- Yarn
- Ziplock bags

**Chapter 2 – Addition**
- Base 10 blocks
- Beach ball
- Boxes
- Car stickers
- Children’s book-club orders
- Classroom items

**Chapter 3 – Subtraction**
- $1 bill
- Ads from local grocery stores
- Backpack
- Base 10 block rubber stamps
- Base 10 blocks
- Binder ring
- Brad fastener
- Card stock
- Coins
- Colored paper
- Counters
- Demonstration set of triangle flash cards
- Double-sided tape
- Flash cards
- Hiking items
- Novelty pencil
- Number cubes
- Storage containers
- Tracing paper
- Whiteboard (metal, will hold magnets)
- Yardstick

Clipboards
- Connecting cubes
- Counters
- Drawing paper
- Egg carton
- Farm animal toys
- Flash cards
- Jar
- Manipulatives
- Newspapers
- Number cubes
- Numeral cards
- Reading books
- Road map
- Small items
- Triangle flash cards
- Workmats
Recyclable items
Washable ink pads
Wet wipes
Yarn

Chapter 4 – Multiplication Facts
Beanbags
Beans
Blank Bingo cards
Cardboard circles
Card stock
Ceramic tiles
Color tiles
Connecting cubes
Cup
Demonstration set of triangle flash cards
Dominoes
Egg cartons
Frying pan
Geobands
Geoboards
Glow-in-the-dark stars
Manipulatives
Multiplication sticks
Napkins
Nickels
Painter’s tape
Pancake turner
Pattern blocks
Plastic disks
Pretzel sticks
Sets of index cards numbered 0–9
Standard flash cards
Stickers
Student clocks
Student sets of triangle flash cards
Ziplock bags

Chapter 5 – Division Facts
Beanbags
Coins
Color tiles

Connecting cubes
Containers
Counters
Craft sticks
Demonstration set of triangle flash cards
Dominoes
Flash cards
Grapes
Grocery ads
Kernels of unpopped popcorn
Manipulatives
Multiplication sticks
Number cards (1–5)
Number cubes
Painter's tape
Paper plates
Poster board
Student sets of triangle flash cards
Triangle pattern blocks
Ziplock bags

Chapter 6 – Multiplication
$1 bills
Base 10 blocks
Box
Classic folk tales
Cups
Dimes
Envelopes
Flash cards
Game pieces
Grocery items
Magnetic dimes
Magnetic dollar bill
Magnetic pennies
Map
Nickels
Number cubes
Paper bags
Pennies
Pictographs
Pictures of grocery items
Stopwatches
Student sets of triangle flash cards

Chapter 7 – Division
$1 bills
$10 bills
Base 10 blocks
Card stock
Color tiles
Connecting cubes
Demonstration set of triangle flash cards
Juice
Magnetic numbers
Manipulatives
Measuring cup
Number cubes
Paper bag
Paper cups
Pennies
Pitchers
Rubber bands
School supplies
Simulated money
Toy polar bear
Trays
Yarn

Chapter 8 – Geometry
Bag
Blindfold
Books
Books about angles
Box
Brad fasteners
Bulletin board paper
Card stock
Chenille stems
Color tiles
Connecting fraction circles
Counters
Dowel rod
Drinking straws
Drop cloth
Encyclopedia
Everyday objects
Fabric
Fish-shaped crackers
Geobands
Geoboards
Geometric solids
Grocery bag
Hand mirrors
Knife
Large drawing paper
Large grid
Lemons
Library books
Magazines
Magnet
Maps
Number cubes
Objects from nature
Painter’s tape
Paper plates
Pattern blocks
Plane shapes
Play dough
Poster board
Sets of number cards
Solid shapes
Spray starch
Street maps
String
Toothpicks
Yarn

Chapter 9 – Measurement
Apple
Bags
Ball
Base 10 blocks
Basket
Bathroom scale
Boiling and ice water
Bottles
Bowls
Box
Brain-teaser cube toys
Bread
Bulletin board paper
Cans
Card stock
Celsius thermometers
Centimeter graph paper
Classroom objects
Clipboards
Clothing
Connecting cubes
Containers (pint, quart, half-gallon, and a variety)
Costume
Crackers
Craft knife
Cups
Demonstration thermometer
Drinking straws
Dry foods
Foam ball
Glass
Golf ball
Hangers
Heavy paper
Juice boxes
Kitchen scale
Large mixing bowls
Lightweight objects
Maps
Measuring cups
Metal spring toy
Metric digital scale
Non-standard measuring tools
Outdoor thermometer
Pan balance
Paper bags
Paper cups
Pennies
Pipettes
Potato
Product containers
Ribbon
Rice
Rock
Scale
Straws
Student thermometers
Suitcase
Tape measures
Tray
Vase
Water
Weather report
Yarn
Ziplock bags

Chapter 10 – Fractions
Attribute cards
Baking supplies
Bases
Basket
Bowls
Color tiles
Connecting cubes
Connecting fraction circles
Cookie ingredients
Counters
Demonstration clock
Demonstration thermometer
Dominos
Equivalency cubes
Flour
Fraction prism
Fraction strips
Library books
Magazines with recipes
Magnetic money
Manipulatives
Measuring cups
Number cubes
Painter’s tape
Painter’s tape
Paper lunch bags
Pattern blocks
Pizza pieces
Pizza pieces
Ziplock bags
Ziplock bags
Chapter 11 – Decimals
$1 bills
Base 10 blocks
Base 10 rubber stamps
Buttons
Card stock
Clipboards
Connecting cubes
Demonstration clock
Dimes
Equivalency cubes
Game markers
Magnetic money
Number cubes
Pizza squares
Place value cubes
Plastic building bricks
Sets of cards numbered 0–9
Simulated money
Sports-related items
Wrapped treats
Ziplock bags

Chapter 12 – Time and Money
Analog clock
Bag of popcorn
Ball
Bottle of soda
Bowls
Brad fasteners
Calendars
Can of juice
Cubes numbered 1–12
Digital clock
Grocery store ads
Magnetic money
Metronome
Minute cube
Newspapers
Number cubes
Painter’s tape
Rolls of pennies
Simulated money
Student clocks
Time interval rods
Yarn

Chapter 13 – Equations and Cumulative
Review
Base 10 blocks
Bread
Card stock
Connecting cubes
Equivalency cubes
Fraction strips
Jelly
Knife
Minute cubes
Number cubes
Pattern blocks
Peanut butter
Place value cubes
Plate
Pretzel sticks
Scale
Sets of index cards numbered 0–9
Simulated money
Student clocks
Tape measures
Triangle flash cards

Chapter 1 – Place Value
No resources are recommended.

Chapter 2 – Addition
No resources are recommended.

Chapter 3 – Subtraction
Great Estimations by Bruce Goldstone (Square Fish, 2010)

Chapter 4 – Multiplication Facts
Times Tables the Fun Way by Judy Liautaud (City Creek Press, 1999)

Chapter 5 – Division Facts
Specific Skills: Division Facts Tips & Tricks, Grades 3–4 by Barry Doran and Leland Graham (Key Education, 2010)

Chapter 6 – Multiplication
No resources are recommended.

Chapter 7 – Division
Teaching Struggling Readers to Tackle Math Word Problems by Audrey Trapolsi (Scholastic, 2012)

Chapter 8 – Geometry
Perimeter, Area, and Volume by David A. Adler (Holiday House, 2012)

Seeing Symmetry by Loreen Leedy (Holiday House, 2013)
Chapter 9 – Measurement
No resources are recommended.

Chapter 10 – Fractions
No resources are recommended.

Chapter 11 – Decimals
No resources are recommended.

Chapter 12 – Time and Money
No resources are recommended.

Chapter 13 – Equations and Cumulative Review
No resources are recommended.
Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

**Grade 4 MATH MATERIALS**

### Chapter 1 – Place Value
Advertisements
Base 10 blocks
Basket
Books about zero
Calendar
Card stock
Children’s dictionary
Clipboards
Connecting cubes
Counters
Crackers
Craft sticks
Cups
Digit cards
Dimes
Dominoes
Flash cards
Game cards
Menus
Paper bag
Parchment paper
Pattern blocks
Pennies
Place value charts
Tablets

### Chapter 2 – Addition
$10 bills
Base 10 blocks
Bills
Card stock
Coins
Computers
Connecting cubes
Craft sticks
Cups
Digit cards
Dimes
Dominoes
Flash cards
Game cards
Menus
Paper bag
Parchment paper
Pattern blocks
Pennies
Place value charts
Tablets

### Chapter 3 – Subtraction
Advertisements
Base 10 blocks
Books about money management
Brad fastener
Budget simulation folders
Cardboard
Card stock
Clocks
Connecting cubes
Counters
Digit cards
Envelopes
Estimation cards
Folders

---

**Assumed Materials**

### Assumed materials (all grades)
Bible
Books
Calculators
Chair
Classroom clock
Colored pencils
Desk
Erasers
Glue sticks
Hole punch
Index cards (G2–6)
Internet access
Markers
Meterstick
Paper (lined, graph (G3–6), white copy)
Paper clips
Pencils
Rulers
Scissors
Stapler
Staples
Sticky notes
Table
Tape (clear, masking)
Trash can
Whiteboard (metal, will hold magnets)
Yardstick

### Assumed materials (GK–3)
Classroom calendar (12-month)
Crayons
Glue
Paper (construction)
Paper towels

### Assumed materials (G4–6)
Daily planner
Highlighters
Food item
Hundred place value charts
Magazines
Newspapers
Number cubes
Prizes
Toothpicks
Watches

Chapter 4 – Geometry
Bag
Baking soda
Bills
Blindfold
Boxes
Brad fasteners
Camera
Candy corn
Card stock
Chenille stems
Coins
Colored tissue paper
Compasses
Construction paper
Corrugated paper
Decorative items
Demonstration clock
Dictionaries
Dishpan
Dish soap
Distilled white vinegar
Drinking straws
Electromagnetic markers
Fabric
Game markers
Geobands
Geoboards
Geometric solids
Local street map
Magnets
Mini marshmallows
Mirrors
Movie clip
Number cubes
Paper cutter
Paper tubes
Pattern blocks
Photographs
Poster board
Protractors
Salt
Scalene triangles
Sidewalk chalk
Squirt bottle
Straws
Student clocks
Tangram puzzle books
Tangram puzzle pieces
Tin foil
Toothpicks
Water

Chapter 5 – Multiplication and Division
Facts
Bag
Beach ball
Beads
Beans
Bills
Card stock
Coins
Color tiles
Containers
Counters
Digit cards
Doughnut holes
Flash cards
Foam block
Gloves
Grain
Graph data
Guessing bag
Magazines
Newspapers
Painter’s tape

Chapter 6 – Multiplication and Division
Problems
Advertisements
Base 10 blocks
Beanbags
Bills
Blindfold
Board games
Books about division
Card stock
Coins
Color tiles
Connecting cubes
Construction paper
Craft sticks
Dimes
Flash cards
Game cards
Game chips
Game markers
Goggles
Magnetic chips
Manipulatives
Number cubes
Pennies
Plastic cups
Raisins
Rewards
Scented oils
School lunch menu
Sidewalk chalk
Soccer ball
Tangrams
Tape measures
Triangle flash cards
Video camera
Yarn pieces
Chapter 7 – Multi-Digit Multiplication
Advertisement
Bag
Base 10 blocks
Bills
Books on chapter concepts
Candy
Catalog
Coins
Color tiles
Computer game
Connecting cubes
Container
Counters
Craft pom-poms
Digit cards
Gift box
Guessing bag
Ice cubes
Ice cube trays
Junk mail
Manipulatives
Number cubes
Plastic bag
Stopwatches
Water
Winter headgear

Chapter 8 – Multi-Digit Division
$1 bills
$10 bills
Base 10 blocks
Bills
Books on multiplication and division
Bulletin board paper
Coins
Counters
Digit cards
Envelopes
Flash cards
Game pieces
Grocery store items

Chapter 9 – Fractions
Apples
Bins
Candy pieces
Card stock
Clay
Color tiles
Connecting cubes
Connecting fraction circles
Digit cards
Dish soap
Drinking glasses
Empty plastic water bottles
Envelopes
Equivalency cubes
Food coloring
Fraction bar bags
Fraction bars
Fraction manipulatives
Fraction prisms
Game pieces
Goggles
Grapes
Hydrogen peroxide
Knife
Magazines
Manipulatives
Measuring cup
Measuring spoons
Newspapers
Number cubes
Paper bag
Pattern blocks
Pennies
Plastic bag
Plastic spoons
Play dough
Rubber gloves
Snacks
Tablecloths
Tray
Water
Yarn
Yeast
Ziplock bags

Chapter 10 – Decimals
$1 bills
Bag
Base 10 blocks
Bases
Bat
Bills
Books about decimals and money
Books about math and space exploration
Coins
Container
Counters
Digit cards
Dimes
Envelopes
Equivalency cubes
Foam cups
Grocery items
Laminated menus
Magnets
Magnetic coins
Magnifying glasses
Number cubes
Painter’s tape
Paper bag
Paper coins
Pattern blocks
Pennies
Place value chart
Stopball
Water bottle lids
Chapter 11 – Measurement
1-g items
1-g mass
1-kg items
1-kg mass
1-lb item
1-oz item
Base 10 blocks
Base 10 rods
Bottle of water
Boxes
Bulletin board border
Bulletin board paper
Color tiles
Connecting cubes
Construction paper
Containers
Eyedroppers
Food coloring
Geometric solids
Grocery items
Gummy worms
Items of various weights
Magazines
Measuring containers
Measuring cups
Painter's tape
Paper bags
Paper cups
Plastic tubs
Scales
Tablespoon
Tape measure
Teaspoons
Timer
Water
Weigh-station items
Yarn
Ziplock bags
Zot rulers

Chapter 12 – Temperature and Time
Almanac
Analog clock
Bag
Books on maps
Bulletin board paper
Classroom objects
Construction paper
Containers of solids and liquids
Demonstration clock
Dictionaries
Flashlight
Globe
Manipulatives
Maps
Painter's tape
Square pyramid
Student clocks
Thermometers
Timer

Chapter 13 – Cumulative Review
Bags
Bills
Books about math
Calendar
Coins
Container
Flash cards
Gifts
Manipulatives
Number cubes
Pattern blocks
Sets of digit cards 0–9
Shut-the-Box board game
Student clocks
Tape measures
Timer

Grade 4
RECOMMENDED RESOURCES

Chapter 1 – Place Value
Zero the Hero by Joan Holub (Henry Holt, 2012)
A Place for Zero: A Math Adventure by Angeline Sparagna LoPresti (Charlesbridge, 2003)
The Wacky and Wonderful World Through Numbers: Over 2,000 Figures and Facts by Steve Martin, Clive Gifford, and Marianne Taylor (Barron’s Educational Series, 2015)
A Million Dots by Andrew Clements (Atheneum Books for Young Readers, 2006)

Chapter 2 – Addition
Instant Math Practice Graphs and Charts (Grades 4–6): 50 Engaging Reproducibles That Help Kids Read and Interpret Graphs and Charts by Denise Kiernan (Scholastic Teaching Resources, 2011)

Chapter 3 – Subtraction
Financial Peace Junior by Dave Ramsey (Lampo Press, 2011)
National Geographic Kids Everything Money by Kathy Furgang (National Geographic Children’s Books, 2013)

You Wouldn’t Want to Live Without Money! by Alex Woolf (Franklin Watts, 2015)

Chapter 4 – Geometry
Sir Cumference and the Great Knight of Angleland by Cindy Neuschwander (Charlesbridge, 2001)

What’s Your Angle, Pythagoras? by Julie Ellis (Charlesbridge, 2004)

Shape Up! by David A. Adler (Holiday House, 2000)

If You Were a Polygon by Marcie Aboff (Picture Window Books, 2009)

Tangrams: 300 Puzzles by Ronald C. Read (Dover Publications, 2014)

Tangram Puzzles: 466 Tricky Shapes to Confound and Astound by Chris Crawford (Puzzlewright, 2012)

Chapter 5 – Multiplication and Division Facts
No resources are recommended.

Chapter 6 – Multiplication and Division Problems
The Multiplying Menace Divides by Pam Calvert (Charlesbridge, 2011)

Cheetah Math: Learning About Division from Baby Cheetahs by Ann Whitehead Nagda (Henry Holt, 2007)

The Great Divide: A Mathematical Marathon by Dayle Ann Dodds (Candlewick, 2005)

Chapter 7 – Multi-Digit Multiplication
Glaciers by Barbara A. Somervill (Cherry Lake Publishing, 2009)

Mowing for Money: Relate Area to Multiplication and to Addition by Finn Hudson (PowerKids Press, 2014)

Chapter 8 – Multi-Digit Division
The Fishy Fountain: A Mystery with Multiplication and Division (Manga Math Mysteries) by Melinda Thielbar (Graphic Universe TM, 2010)

Marvelous Multiplication by Lynnette Long (Wiley, 2000)

Dazzling Division by Lynnette Long (Wiley, 2000)

Chapter 9 – Fractions
A Fraction’s Goal—Parts of a Whole by Brian P. Cleary (Learner, 2013)

A Very Improbable Story by Edward Einhorn (Charlesbridge, 2008)

Chapter 10 – Decimals
How Astronauts Use Math by Mary Hense (Chelsea Clubhouse, 2009)

Launch a Rocket into Space (You Do the Math!) by Hillary Koll (QEB Publishing House, 2015)

Explore Money! by Cindy Bloabum (Nomad Press, 2014)


Chapter 11 – Measurement
How Long or How Wide? by Brian P. Cleary (Millbrook Press, 2009)

Measuring Penny by Loreen Leedy (Square Fish, 2000)

Sir Cumference and the Isle of Immeter by Cindy Neuschwander (Charlesbridge, 2006)

Chapter 12 – Temperature and Time
Sir Cumference and the Viking’s Map by Cindy Neuschwander (Charlesbridge, 2012)


Chapter 13 – Cumulative Review
Amazing Visual Math (DK Children, 2014)

This is Not a Maths Book by Anna Weltman (The Ivy Press, 2015)
Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

ASSUMED MATERIALS

Assumed materials (all grades)
Bible
Books
Calculators
Chair
Classroom clock
Colored pencils
Desk
Erasers
Glue sticks
Hole punch
Index cards (G2–6)
Internet access
Markers
Meter stick
Paper (lined, graph (G3–6), white copy)
Paper clips
Pencils
Rulers
Scissors
Stapler
Staples
Sticky notes
Table
Tape (clear, masking)
Trash can
Whiteboard (metal, will hold magnets)
Yardstick

Assumed materials (GK–3)
Classroom calendar (12-month)
Crayons
Glue
Paper (construction)
Paper towels

Assumed materials (G4–6)
Daily planner
Highlighters

Props
Toy medals

Chapter 3 – Multiply Whole Numbers
Base 10 blocks
Card stock
Construction paper
Counters
Cubes
Grids
Library-card pockets
Multiplication flash cards
Number cubes
Poster board

Chapter 4 – 1-Digit Divisors
$1 bills
$10 bills
$100 bills
Base 10 blocks
Candy
Color tiles
Counters
Digit cards
Flashcards
Manipulatives
Number cubes
Picnic basket
Picnic items
Pretzels
Review questions
Yarn

Chapter 5 – 2-Digit Divisors
Baby carrots
Base 10 blocks
Basket
Beads
Color tiles
Colorful tape
Containers
Cookie sheets
Counters
Digit cards
Number cubes
Number magnets
Sidewalk chalk
Wet sponge
Yarn
Ziplock bags

Chapter 6 – Multiply and Divide Decimals
$1 bills
$10 bills
Art supplies
Base 10 blocks
Brad fasteners
Bulletin board paper
Colorful tape
Coloring page
Construction paper
Crayons
Digit cards
Dimes
Discount store advertisements
Grocery store advertisements
Magnetic money
Paper plates
Pennies
Quarters
Recorded praise song
Review questions
School supply advertisements
Washers
Yarn

Chapter 7 – Geometry
Boxes
Bulletin board paper
Cameras
Card stock
Clay
Colored paper
Compasses
Construction paper
Folding geometric shapes
Geobands
Geoboards
Geometric solids
Geometry flash cards
Pattern blocks
Plastic straws
Protractors
Review problems
String
Student photographs
Toothpicks
Wood blocks

Chapter 8 – Integers and Fractions
Apples
Bible encyclopedias
Bulletin board paper
Clothespins
Colored paper
Connecting cubes
Cubes
Digit cards
Drawing paper
Equivalency cubes
Flag
Game pieces
Hula hoops
Integer cards
Jar
Knife
Materials for making game boards
Modeling clay
Number line

Chapter 9 – Add and Subtract Fractions
Card stock
Chocolate bars
Connecting fraction circles
Construction paper
Dominoes
Equivalency cubes
Fraction circles
Maps
Measuring cups
Oranges
Pizza boxes
Recipes
Review questions
Tape measures

Chapter 10 – Multiply and Divide Fractions
Fractions
$1 bills
Advertisements
Brownies
Bulletin board paper
Buttons
Color tiles
Construction paper
Digit cards
Dimes
Egg carton
Egg shapes
Flyswatters
Fraction circles
Geobands
Geoboards
Half-dollars
Interlocking plastic bricks
Measuring cups
Nickels
Pennies
Plastic eggs
Quarters
Real-life items
Review problems
Timer
Yarn

Chapter 11 – Ratio, Proportion, and Percent
Advertisements
Balance scale
Blueprints
Buttons
Color tiles
Construction paper
Containers
Disposable cups
Dominoes
Food coloring
Food labels
Interlocking blocks
Magnetic money
Maps of amusement parks or malls
Measuring cup
Paper towels
Review questions
Road maps
Small objects
Spoons
Student portraits
Tape measures
Water

Chapter 12 – Measurement
Air popcorn popper
Card stock
Containers
Food boxes
Food containers
Grocery items
Lamp
Measuring cups
Newspaper advertisements
Paper thermometers
Plastic bag
Plastic cups
Plastic tubs
Popcorn kernels
Salt
Scale
Soil
Stopwatch
Student clocks
Tablespoon
Teaspoon
Thermometers
Water
Yarn

Chapter 13 – Area, Perimeter, and Volume
Atlases
Boxes
Brain-teaser cube toy
Bulletin board paper
Chalk
Cheese
Classroom objects
Color tiles
Coloring book
Concordances
Connecting cubes
Construction paper
Craft sticks
Cubic decimeter
Gift box
Interlocking plastic bricks
Lids
Objects shaped like rectangular prisms
Paint can
Review questions

Chapter 14 – Graphs, Statistics, and Probability
Bag
Bar graphs
Beans
Boxes of crayons
Brad fasteners
Buckets
Coin
Color tiles
Connecting cubes
Craft stick
Data tables
Demonstration clock
Dimes
Graphs
Histograms
Jar of coins
Knife
Marbles
Newspapers
Nickels
Number cubes
Orange paper
Oranges
Paper towels
Pennies
Pool
Poster board
Quarters
Recipes
Rubber ducks
Spoons
Straws
Timers
Water
World map
Chapter 15 – Cumulative Review
Customary game cards
Demonstration clocks
Geometric solids
Geometry flash cards
Manipulatives
Metric game cards
Number cubes
Protractors
Takeout menus
Required materials for each chapter are listed below. Additional materials may be needed for sidebar activities. Items marked in blue are part of the ACSI Math Manipulatives Kit. Items marked in green are part of the ACSI Science Equipment Kit. Words in parentheses reflect the name an item is called in G2 and above.

**Chapter 1 – Whole Numbers and Decimals**
- Balance scale
- Ball
- Base 10 blocks
- Bills
- Classroom items
- Color tiles
- Counters
- Decimal place value charts
- Demonstration coins
- Library books
- Newspapers
- Page protectors
- Place value charts
- Spiral or composition notebook
- Whiteboards
- Ziplock bags

**Chapter 2 – Multiply Whole Numbers and Decimals**
- Base 10 blocks
- Card stock
- Cell phone plans
- Coins
- Color tiles
- Hula hoops
- Magnetic color tiles
- Magnetic strips
- Number cubes

**Chapter 3 – Divide Whole Numbers and Decimals**
- Base 10 blocks
- Bubble solution
- Card stock
- Coins
- Color tiles
- Dictionary
- Dollars
- Game pieces
- Grocery ads
- Hard candies
- Magnetic color tiles
- Magnetic money
- Manipulatives
- Ream of paper
- Stopwatch
- Yarn

**Chapter 4 – Geometry**
- Artwork by Maurits Escher
- Box
- Cameras
- Card stock
- Cardboard
- Coins
- Color tiles
- Compasses
- Connecting cubes
- Craft sticks
- Demonstration compass
- Demonstration protractor
- Drinking straws

---

**ASSUMED MATERIALS**

**Assumed materials (all grades)**
- Bible
- Books
- Calculators
- Chair
- Classroom clock
- Colored pencils
- Desk
- Erasers
- Glue sticks
- Hole punch
- Index cards (G2–6)
- Internet access
- Markers
- Meterstick
- Paper (lined, graph (G3–6), white copy)
- Paper clips
- Pencils
- Rulers
- Scissors
- Stapler
- Staples
- Sticky notes
- Table
- Tape (clear, masking)
- Trash can
- Whiteboard (metal, will hold magnets)
- Yardstick

**Assumed materials (GK–3)**
- Classroom calendar (12-month)
- Crayons
- Glue
- Paper (construction)
- Paper towels

**Assumed materials (G4–6)**
- Daily planner
- Highlighters
Chapter 5 – Fractions and Number Theory

Compasses
Connecting fraction circles
Construction paper
Counters
Cups
Equivalency cubes
Fraction charts
Graduated pipettes
Magnetic color tiles
Magnets
Number cubes
Protractors
Water

Chapter 6 – Add and Subtract Fractions

Chart paper
Color tiles
Fraction circles
Fraction prisms
Manipulatives
Spelling list
US map
Yarn
Ziplock bags

Chapter 7 – Multiply and Divide Fractions

Ball
Color tiles
Dominoes
Grocery advertisements
Magnetic color tiles
Number cubes
Nutrition labels
Pattern blocks
Recipe
Yarn
Ziplock bags

Chapter 8 – Integers

Book
Bulletin board paper
Colored paper
Dimes
Foam dart
Integer exercises
Magnetic color tiles
Money
Nickels
Number lines
Painter’s tape
Paper counters
Sidewalk chalk
Soccer ball
Video game
Ziplock bags

Chapter 9 – Perimeter, Area, and Volume

1-liter pitcher
1-liter metric measuring pitcher
1-liter volume cube
Art supplies
Balls
Cans
Circular items
Color tiles
Common items

Chapter 10 – Ratio, Proportion, and Percent

Bowl
Brown paper bags
Candies
Card stock
Catalogs
Chalk
Colored pasta
Connecting cubes
Decimal cards
Equivalency cubes
Financial advertisements
Games and books about money
management
Magnetic color tiles
Number cube
Nutrition labels
Painter’s tape
Percent cards
Ratio cards
Receipts
Recipes
String
Two-color counters
Yardsticks
Ziplock bags

Chapter 11 – Application of Statistics and Graphing
Bar graphs
Egg noodles
Fraction circles
Number cubes
Objects made to scale
Protractors
Scale drawings
World map
Ziplock bags

Chapter 12 – Introduction to Probability
Bag
Box
Coin
Color tiles
Counters
Craft sticks
Magnetic color tiles
Manipulatives
Number cards
Number cubes
Paper cups
Pattern sticks
Socks
Spinners

Chapter 13 – Measurement
Art supplies
Bathroom scale
Bottles
Cans
Container of water
Containers
Containers to measure milliliters and liters
Craft sticks
Funnel
Globe
Liter cube
Materials for games
Measuring cup
Number cubes
Objects
Pan balance
Paper straws
Pint container
Poster board
Recipes
Rubber bands
Scale
Small objects
String
Tablespoon
Teaspoon
Time interval rods
Water

Chapter 14 – Cumulative Review
Equivalency cubes
Folding geometric shapes
Fraction bars
Fraction circles
Game cards
Manipulatives
Number cubes
Painter’s tape
Straws
Timer