

Unit 1 - Shapes in Our World

(September ~ 2 weeks)

Counting Collections, Problem Solving, and BRASSY...

- Counting Collections
- BRASSY: Introduce sorting and shapes for application in BRASSY

Standard(s)

G.2

Vocabulary (Language of the Discipline)

Circle, Square, Rectangle, triangle, hexagon, corner, vertex, side, above, below, next to, behind, in front of, attribute

Possible Number Routines

- Number of the Day
- Shape of the Day
- Everyday Math Daily Routines
- Everyday Math Minute Math (tiny book)
- * Subitizing (Number Sense Routine bk p. 36-41)
- * Rekenrek (Number Sense Routine bk p.51)
- Rekenrek (Number Talks bk p. 83-88)
- Quick Images 1-10 p. 76
- Calendar Routines (Number Sense Routine bk p. 101 - 116)

Songs

B-I-N-G-O (Everyday Math CD) lesson 1-13 on shape patterns

Go In and Out of the Circle (Everyday Math CD) lesson 3-6

Literature for Literature Based Activities

The Greedy Triangle by Marilyn Burns 2-3

Mouse Shapes by Ellen Walsh

The Shape of Things by Dayle Anna Dodd

Rosie's Walk by Pat Hutchins 3-6

Shape by Shape by 5-13

Circus Shapes by Stuart Murphy

The Button Box by Margaret Reid

3 Little Firefighters: Sorting by Stuart Murphy

Optional Resources From Everyday Math

1-2 Intro to Pattern Blocks p. 44
2-3 Triangles p. 110
2-7 Intro to Sorting p. 126
2-8 Circles p. 134
2-11 Rectangles p. 146
3-3 Rope Shapes p. 176
4-1 Attribute Blocks p. 234

4-1 Shapes by Feel p. 238
4-7 Building Hexagons p. 258
5-5 Shapes All Around p. 316
6-10 Attribute Spinner p. 407
7-13 Mystery Block p. 484
Obstacle Course Positions 3-5 p. 188
Comparing Representations 3-7 p. 192

Additional Resources

Books

Number Talks By Sherry Parrish

Common Core Math in Action - By Catherine Kuhns and Marrie Lasater

Websites

Youtube.com - shape songs and videos

Sesamestreet.org

Storybots.com/educate

Resource Package

Guiding Kinders Math Workshop (resource package)

Nifty Numbers (resource package)

Interactive Math Notebook for Kindergarten (Unit 3)

Unit 2 - Counting, Understanding, Representing, and Writing Numbers (September /October ~ 1.5 Months)

Counting collections, problem solving, and BRASSY...

- BRASSY (see BRASSY outline)
- Counting Collections (2-3 times per week) Continued

Standard(s)

CC.3

Vocabulary (Language of the Discipline)

count, number, numeral, digit, sequence, ten frame, ten

Songs

Five Green and Speckled Frogs (Everyday Math CD) Lesson 1-3

Ten in a Bed (Everyday Math CD) Lesson 1-3

This Old Man (Everyday Math CD) Lesson 1-4

Over in the Meadow (Everyday Math CD) Lesson 1-5

The Numeral Song (Everyday Math CD) Lessons 3-4 through 3-8

Number Rock by Greg and Steve

Possible Number Routines

- Select from previously introduced routines
 - ie, subitizing, rekenrek, & Everyday Math Routine Resources
- Number of the Day
- Choral Counting
- Calendar Routines (Number Sense Routine bk)
- Five Frames 1-11 p. 80
- Five Frames (Number Talks bk p. 90)
- Ten Frames 2-9 p. 138
- Ten Frames (Number Talks bk p. 90)
- Ten-Frame Quick Looks 4-5 p. 250
- Ten Frames (Guiding Kinders)

Literature

10 Black Dots By Donald Crews 2-1

Mouse Count by Ellen Walsh 5-3

10 Apples Up on Top by Dr. Seuss

Chicka Chicka 1, 2, 3 by Bill Martin Jr

Splash by Ann Jonas 2-12

My Little Sister Ate One Hare by Bill Grossman

Bat Jamboree by Kathi Appelt

Optional Resources from Everyday Math

Lessons

1-5 p. 56 Getting to Know Numbers
1-6 p. 60 Count and Sit
2-10 p. 142 Counting Collections
3-4 p. 180 Number Books (formation)
3-9 p. 204 Line Up
4-8 Building Numbers p. 266

Games

2-1 Dot Card Match Up p.102
3-11 p. 212 Roll and Record
3-10 p. 208 Number Card Activities
3-13 p. 220 Numbers on Slates

Additional Resources

Books

Number Talks By Sherry Parrish

Common Core Math in Action - By Catherine Kuhns and Marrie Lasater

websites

storybots.com/educate

Resource Package

Guiding Kinders Math Workshop (resource package)

Nifty Numbers (resource package)

Interactive Math Notebook for Kindergarten Unit 1 and Unit 2

Unit 3 - Comparing, Adding, and Subtracting (November/December ~ 2 months)

Counting collections, problem solving, and BRASSY...

- Counting Collections ~ 2 times per week
- Problem types to introduce by the end of this unit
 - Join Result Unknown (JRU), Separate Result Unknown (SRU), Both Addends Unknown **to 10**

Standard(s)

CC.6, MD.2, OA.1, OA.3

Vocabulary (Language of the Discipline)

Number story, equal sign, addition symbol, add, plus, total, all together, subtract, minus, difference, greater than, less than, equal, decompose, compose

Songs

Do Your Ears Hang Low? (Everyday Math CD) Lesson 3-5
More Heidi Butkus Musical Math
Less Heidi Butkus Musical Math

Possible Number Routines

- Counting by 10s 4-11 p. 278 K.CC.A.1
 - Counting by Tens K.CC.A.2
 - Count on from a Given Number
 - Part/part/whole (Guiding Kinders)
- Also, choose from previously introduced routines:
 - Number of the Day, Calendar, Rekenrek, Subitizing, Choral Counting, 10 Frames, Everyday Math Routine Resources, etc.

Literature for Literature Based Activities

Quack and Count By Keith Baker

Little Quack by Lauren Thomson (<https://www.youtube.com/watch?v=Rdi9yaZZHJ4>)

The Gingerbread Boy

Two ways to Count to Ten by Ruby Dee

More, Fewer, Less by Tana Hoban

12 Ways to Get to 11 by Eve Merriam

More or Less: Comparing Numbers by Stuart Murphy

Optional Everyday Math Resources

Lessons

2-6 p. 122 How Many Now?
2-12 p. 150 Number Stories
2-12 p. 154 More Number Stories
3-5 p. 184 Longer or Shorter
5-3 p. 308 Ten Bears on a Bus
5-9 p. 336 The Equal Sign
5-10 The Addition Symbol p. 340
6-7 Tall Enough to Ride p. 390
6-8 The Subtraction Symbol p. 398

Lessons Cont.

6-9 Disappearing Train p. 402
6-13 Number Stories with Symbols
p. 418
7-9 Bead Combinations p. 468
7-10 Class Number Story Book p.
472
8-10 Comparing Nonconsecutive
Numbers p. 538
8-12 Function Machines p. 546

Games

2-2 Top It with Dot Cards p. 106
3-2 Shake and Spill p. 172
3-12 Monster Squeeze p. 216
5-11 Growing Train p. 344
6-11 Hiding Bears p. 410
8-8 Car Race p. 530
8-11 Addition Top It p. 542
9-11 Fishing for 10 p. 608

Additional Resources

Books

Number Talks By Sherry Parrish
Common Core Math in Action - By Catherine Kuhns and Marrie Lasater

Resource Package

Guiding Kinders Math Workshop (resource package)
Nifty Numbers (resource package)
Interactive Math Notebook for Kindergarten (Unit 4)

Unit 4 - 3D Shapes and Coin Identification (January ~ 1 month)

Counting collections, problem solving, and BRASSY...

- Counting Collections ~ 2 times per week
- Problem types to introduce by the end of this unit
 - Join Result Unknown (JRU), Separate Result Unknown (SRU), Both Addends Unknown **to 20**

Standard(s)

G.2, G.3

Vocabulary (Language of the Discipline)

Cone, sphere, cube, cylinder, vertex, edge, penny, nickel, dime, quarter, number line, line, unit, point, 3-dimensional, face

Possible Number Routines

- Number Bonds (Guiding Kinders)
 - Number Line (Guiding Kinders)
 - Mystery Bag
 - Shape of the Day
- Also, choose from previously introduced routines:
 - Number of the Day, Calendar, Rekenrek, Subitizing, Choral Counting, 10 Frames, Count on from a given number, Everyday Math Routine Resources, etc.

Songs

- *3D Shapes* by Harry Kindergarten on YouTube (<https://www.youtube.com/watch?v=2cg-Uc556-Q>)
- *Musical Math Album (penny, nickel, dime, quarter)* by Heidi Butkus

Literature for Literature Based Activities

Captain Invincible and the Space Shapes by Stuart Murphy

Picture Pie by Ed Emberly 7-4

A Chair for My Mother by Vera Williams

Grandfather Tang's Story by Ann Tompert

Optional Everyday Math Resources

Lessons

6-4 Solid Shapes Museum p. 378
6-5 Flat & Solid Shapes p. 382
8-1 Solid Shapes by Feel p. 498
8-2 Marshmallow and toothpick shapes

Games

7-4 Solid Shapes Match Up

Additional Resources

Books

Number Talks By Sherry Parrish

Common Core Math in Action - By Catherine Kuhns and Marrie Lasater

Websites

- [Learnzillion.com](http://learnzillion.com) (There are preplanned lessons and activities on this site, complete with slides.)
- teachingchannel.com
- youcubed.org

Resource Package

Guiding Kinders Math Workshop (resource package)

Nifty Numbers (resource package)

Interactive Math Notebook for Kindergarten (Unit 3)

Unit 5 - Developing Foundations of Place Value & Fluency to 5 (February/March ~ 2 Months)

Counting collections, problem solving, and BRASSY...

- Counting Collections ~ 2 times per week
- Problem types to introduce by the end of this unit
 - Join Result Unknown (JRU), Separate Result Unknown (SRU), Both Addends Unknown **to 20**
 - **(OPTIONAL)** If you feel your class is ready for a challenge, try a problem type that is not mandatory for kindergarten by introducing Join Change Unknown (JCU), Separate Change Unknown, or Compare Difference Unknown problem types

Standard(s)

OA.4, OA.5, CC.7, NBT.1

Vocabulary (Language of the Discipline)

Place value, hundreds, tens, ones, decompose, make 10, digit

Number Sense Routines

- Base ten blocks
 - 100 Chart Activities
 - Fluency Practice
 - Choral Counting
- Also, choose from previously introduced routines:
 - Number Bonds, Calendar, Subitizing, Choral Counting, 10 Frames, Count on from a given number, Everyday Math Routine Resources, etc.

Music

- Dr. Jean's 100 Macarena Dance
- Heidi Butkus 1-100

Literature for Literature Based Activities

100 is a Family by Pam Ryan

Emily's First 100 Days of School by Rosemary Wells

The Doorbell Rang by Pat Hutchins

Optional Everyday Math Resources

3-7 p. 192 Comparing Representations
4-13 Number Grid Exploration p. 286
5-1 100th Day of School p. 300
5-6 Teen Partners
5-8 Teens on Double Ten Frames p. 332
6-11 Hiding Bears p. 410
7-1 Number Line Add/Subtr p. 432
7-3 Teen Collections p. 440
8-6 Craft Stick Bundles p. 518

Games

5-2 Roll & Record to 12 p. 304
6-12 Growing & Disappearing Train p. 414
7-12 Dice Addition p. 480
8-5 Dice Subtraction p. 514

Additional Resources

Books

Number Talks By Sherry Parrish

Common Core Math in Action - By Catherine Kuhns and Marrie Lasater

Websites

- Learnzillion.com (There are preplanned lessons and activities on this site, complete with slides.)
- teachingchannel.com
- youcubed.org

Resource Package

Guiding Kinders Math Workshop (resource package)

Nifty Numbers (resource package)

Interactive Math Notebook for Kindergarten (Unit 5 & Unit 8)

Unit 6 - Integrating Our Worlds (Science & Math)

(April/June ~ 2.5 Months)

Counting collections, problem solving, and BRASSY...

- Counting Collections ~ 2 times per week
- Problem types to introduce by the end of this unit
 - Join Result Unknown (JRU), Separate Result Unknown (SRU), Both Addends Unknown **beyond 20**
 - **(OPTIONAL)** If you feel your class is ready for a challenge, try a problem type that is not mandatory for kindergarten by introducing Join Change Unknown (JCU), Separate Change Unknown, or Compare Difference Unknown problem types

Standard(s)

MD.1

Vocabulary (Language of the Discipline)

Length, weight, classify, category, longer, taller, shorter, heavier, lighter

Math Wall/Number Talks Resources and Ideas

- Choose from previously introduced routines:
 - Number of the Day, Number Bonds, Calendar, Subitizing, Choral Counting, 10 Frames, Count on from a given number, Everyday Math Routine Resources, etc.

Literature for Literature Based Activities

Inch by Inch by Leo Leoni

Give Me Half by Stuart Murphy

Mighty Maddie by Stuart Murphy (comparing weights)

Optional Everyday Math Resources

4-9 Exploring Weight p. 270

4-10 Exploring Capacity p. 274

7-6 Pan Balance p. 452

Additional Resources

Books

Number Talks By Sherry Parrish

Common Core Math in Action - By Catherine Kuhns and Marrie Lasater

Websites

- [Learnzillion.com](https://www.learnzillion.com) (There are preplanned lessons and activities on this site, complete with slides.)
- [teachingchannel.com](https://www.teachingchannel.com)
- [youcubed.org](https://www.youcubed.org)

Resource Package

Guiding Kinders Math Workshop (resource package)

Nifty Numbers (resource package)

Interactive Math Notebook for Kindergarten (Unit 6)