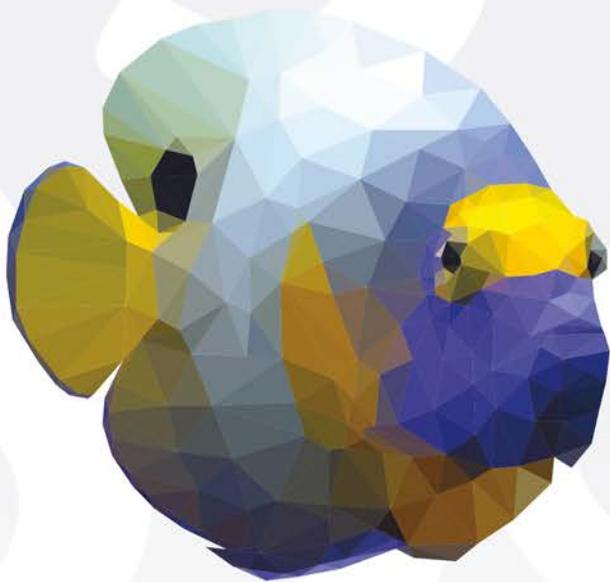


MATH LESSONS FOR A LIVING EDUCATION

level k



Angela O'Dell
& Carrie Bailey

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Using This Course

Features: The suggested weekly schedule enclosed has easy-to-manage lessons that guide the reading, worksheets, and all assessments. The pages of this course are perforated and three-hole punched so materials are easy to tear out, hand out, grade, and store. Teachers are encouraged to adjust the schedule and materials needed in order to best work within their unique educational program.

Lesson Scheduling: Teachers read the pages in the book and then help students complete the corresponding sections. Assessments that may include worksheets, activities, quizzes, and tests are given at regular intervals with space to record each grade. Space is provided on the weekly schedule for assignment dates, and flexibility in scheduling is encouraged. Teachers may adapt the scheduled days per each unique student situation. As the student completes each assignment, this can be marked with an “X” in the box.



Approximately 30 minutes per lesson, five days a week, for 36 weeks



Puzzle answer keys are provided in the back



Worksheets are included for each section



Designed for grade K in a one-year course

Course Description

This book was written to be used by you and your young student together. It is the story of a twin brother and sister as they interact with their family, friends, and town. They begin making connections in life and find it is full of learning opportunities! As you read their story, your student will begin to feel a part of the twins' lives. They will learn about counting, basic shapes, opposites, positional words, graphing, and more. They will also learn about the weather, nature, and how unique God created them to be. They will be excited to join the twins as they encounter living math adventures. I hope you have a grand time on this adventure with the twins.

Course Objectives: Students completing this course will

- ✓ Learn to count to 10 and numbers 0-10.
- ✓ Understand one-to-one correspondence up to 10.
- ✓ Explore weight and measurement through play and cooking.
- ✓ Make connections to their world by noticing basic patterns, shapes, and concepts of time.

How can mathematics be taught as a living subject?

Have you ever noticed that we tend to compartmentalize when teaching our children? In real life, there aren't artificial barriers between "subjects." For example, when you are cooking or baking, you have to use the skills of reading, logical thinking, and measuring, just to name a few. In driving a car, you see and read road signs, read maps, and count miles. So why do we say to our students, "This is math, this is language, this is science/nature, this is history. . . ?"

I have learned that it is most natural and most effective to teach children, not subjects. For example, one conversation, which was originally about telling time, turned into a story about when I was a child and completely burned a batch of cookies because I didn't set a timer. Out came the timer, which was scrutinized closely by all within hearing. Out came the cookbook, which was carefully perused by two sisters, who decide they would like to make cookies and remember to set the timer. Little sister asked if she could help by measuring, and Mom said, "You know, guys, while you are making the cookies, I will play the audio book CD that we started last night!"

In this story, what if I had said, "NO, we are sticking to telling time, and we are going to drill about how to learn to tell time!" A wonderful chance to bring math to life would have slipped by. Even more sadly, the children would not have the chance to actually use the skill. They would have missed the opportunity to see how telling time is only part of the picture — they would have missed out on why telling time is important for them to learn, and how it can help them in everyday life.

I am not saying that there aren't times to stick to the topic on hand, and I most certainly am not saying that there isn't a time and place for drill. But drill cannot take the place of math in real life. One without the other is like love without discipline or discipline without love. We have to have balance! It has become quite clear to me that there is an abundance of math programs available that are nothing but monotonous drill sheets dressed up in pretty colors. Pretty colors do not make a living book. Content, story, and the ability to show math in real life make a living math book.

Materials list for each lesson

It is suggested that certain items be made available to students each day. These would include something to write with (pencil or pen) and something to color with (crayons, colored pencils, or markers).

The following materials are recommended for specific lessons:

Lesson 1

- A board game that uses color recognition and number recognition

Lesson 2

- Small amount of paint to make fingerprints
- Items of various colors to play “I Spy”
- A board game that uses color recognition and number recognition

Lesson 3

- Objects around the house to sort by color (blocks or cards)
- Painter’s tape or sidewalk chalk
- Cardstock (laminated if possible)
- Hole punch
- Shoe string

Lesson 4

- Paper clips
- Dirt, sidewalk chalk, gravel, or leaves (if outside)
- Cereal or beans (if inside)
- Items around the house that are square shaped
- Blocks, paper clips, or other “counters” for measuring

Lesson 5

- Objects or toys for tall/short, big/small comparisons

Lesson 6

- Painter’s tape and post-it notes
- Toothpicks

Lesson 7

- No additional items needed

Lesson 8

- No additional items needed

Lesson 9

- Raisins, nuts, and/or dried fruit for measuring

- $\frac{1}{4}$ cup, $\frac{1}{2}$ cup, and 1 cup measuring cups

- Three kinds of apples for tasting (other fruit can be substituted)

- Post-it notes

- Toothpicks or pencils

- Recipe includes: 2 granny smith apples, $\frac{1}{2}$ stick butter, 1 cup sugar, 2 packages crescent rolls, 12 oz soda, 9 x 13 cake pan

- Water for measuring

Lesson 10

- Colored toothpicks with dispenser

- Measuring cups of various sizes

- Teaspoon

- Tablespoon

- Rice or cereal to measure

- Recipe includes: 1 $\frac{1}{2}$ cup unsalted butter, $\frac{3}{4}$ cup powdered sugar, $\frac{3}{4}$ teaspoon salt, 1 $\frac{1}{2}$ cup ground or finely chopped pecans, 4 $\frac{1}{2}$ teaspoons vanilla, 3 cups flour

Lesson 11

- A toy

- Optional: items to put away using position words (in, on, below, etc.)

Lesson 12

- Small objects for jumping over

Lesson 13

- Dominoes

- Scissors

Lesson 14

- Measuring utensils for liquids and solids (including 1 tablespoon, 1 cup, and 1 quart)

- Flour or salt

- Recipe includes: 1 can each of black beans, red kidney beans, pinto beans, corn, as well as 1 lb. ground beef, 1 8 oz. can tomato sauce, and

taco seasoning (shredded cheddar cheese, sour cream, tortilla chips, lettuce, and tomatoes)

- Blocks

Lesson 15

- Leaves or cardstock
- Plain white paper
- Tape

Lesson 16

- A nickel, dime, and quarter
- Piece of plain white paper

Lesson 17

- Blocks

Lesson 18

- Blocks
- A die
- Dominoes

Lesson 19

- Post-it notes or index cards
- Painter's tape or sidewalk chalk

Lesson 20

- Blocks
- A die

Lesson 21

- No additional items needed

Lesson 22

- Jump rope
- Blocks

Lesson 23

- Post-it notes

Lesson 24

- Thread
- Globe or ball

Lesson 25

- No additional items needed

Lesson 26

- Blocks
- A die

Lesson 27

- No additional items needed

Lesson 28

- Small toys or items from nature
- Sidewalk chalk for number line
- Pot/pan
- Wooden spoon

Lesson 29

- Hula hoops
- Blue toys (or books)
- Red toys (or books)
- Blue and red toys (or books)

Lesson 30

- Craft sticks
- Glue
- Tissue paper
- Scissors
- String or yarn

Lesson 31

- No additional items needed

Lesson 32

- 10 blocks or other counters
- Book
- Table

Lesson 33

- Bathroom scale
- Ball
- Clear glass jars
- Post-it notes
- Buttons or other counters

Lesson 34

- Items for pretend store (toys, etc.)
- Pennies, nickels, dimes, and quarters

Lesson 35

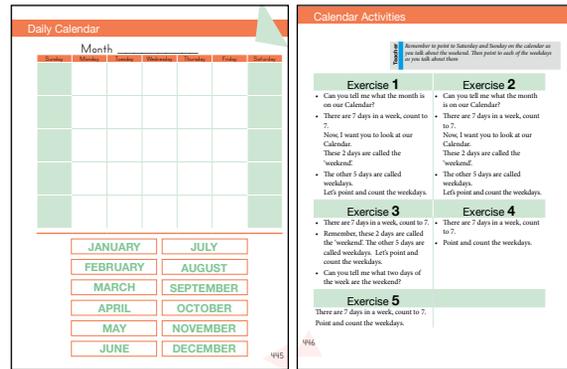
- 2 pieces of paper
- Marker to write on paper

Lesson 36

- No additional items needed

Calendar Concepts

Each weekly lesson has a prompt for completing an optional calendar activity. The two-sided calendar page is in the back of the book, and can be removed and laminated for ease of use. Using an erasable marker, you can fill in the calendar each day and talk with your students about days, weeks, weekends, and months as you move through the math pages. Each daily exercise has several prompts to go over.



Grading subjective assignments

Most often with math the grading is very objective. For example, $2 + 2 = 4$, and no amount of individual expression changes this answer. However, there are times in this course when the answer may depend on a student's reflections of what he or she has learned on a particular day or in a week of assignments. In these subjective cases, the teacher can base a grade for these responses on several more objective measures. Does the student seem to understand the question and answer it as clearly as possible? Does the answer seem complete or does it fail to answer all aspects of the question? So a student may receive full credit if they seemed to meet all the assignment requirements, may get a passing grade if they meet some of the requirements, or may need to repeat the assignment if they didn't meet any of the requirements.

A – Student showed complete mastery of concepts with no errors.

B – Student showed mastery of concepts with minimal errors.

C – Student showed partial mastery of concepts. Review of some concepts is needed.

D – Student showed minimal understanding of concepts. Review is needed.

F – Student did not show understanding of concepts. Review is needed.

First Semester Suggested Daily Schedule

Date	Day	Assignment	Due Date	✓	Grade
First Semester-First Quarter					
Week 1	Day 1	Read Lesson 1 • Pages 15-16 Complete Lesson 1 Exercise 1 • Pages 17-18			
	Day 2	Complete Lesson 1 Exercise 2 • Pages 19-20			
	Day 3	Complete Lesson 1 Exercise 3 • Pages 21-22			
	Day 4	Complete Lesson 1 Exercise 4 • Page 23			
	Day 5	Complete Lesson 1 Exercise 5 • Page 24			
Week 2	Day 6	Read Lesson 2 • Pages 25-26 Complete Lesson 2 Exercise 1 • Page 27			
	Day 7	Complete Lesson 2 Exercise 2 • Page 28			
	Day 8	Complete Lesson 2 Exercise 3 • Pages 29-30			
	Day 9	Complete Lesson 2 Exercise 4 • Pages 31-32			
	Day 10	Complete Lesson 2 Exercise 5 • Pages 33-34			
Week 3	Day 11	Read Lesson 3 • Pages 35-36 Complete Lesson 3 Exercise 1 • Page 37			
	Day 12	Complete Lesson 3 Exercise 2 • Pages 38-39			
	Day 13	Complete Lesson 3 Exercise 3 • Page 40			
	Day 14	Complete Lesson 3 Exercise 4 • Page 41			
	Day 15	Complete Lesson 3 Exercise 5 • Page 42			
Week 4	Day 16	Read Lesson 4 • Pages 43-44 Complete Lesson 4 Exercise 1 • Pages 45-46			
	Day 17	Complete Lesson 4 Exercise 2 • Pages 47-48			
	Day 18	Complete Lesson 4 Exercise 3 • Pages 49-50			
	Day 19	Complete Lesson 4 Exercise 4 • Pages 51-52			
	Day 20	Complete Lesson 4 Exercise 5 • Pages 53-54			
Week 5	Day 21	Read Lesson 5 • Pages 55-56 Complete Lesson 5 Exercise 1 • Pages 57-58			
	Day 22	Complete Lesson 5 Exercise 2 • Pages 59-60			
	Day 23	Complete Lesson 5 Exercise 3 • Pages 61-62			
	Day 24	Complete Lesson 5 Exercise 4 • Pages 63-64			
	Day 25	Complete Lesson 5 Exercise 5 • Pages 65-66			
Week 6	Day 26	Read Lesson 6 • Pages 67-68 Complete Lesson 6 Exercise 1 • Pages 69-70			
	Day 27	Complete Lesson 6 Exercise 2 • Pages 71-72			
	Day 28	Complete Lesson 6 Exercise 3 • Pages 73-74			
	Day 29	Complete Lesson 6 Exercise 4 • Pages 75-76			
	Day 30	Complete Lesson 6 Exercise 5 • Pages 77-78			

Date	Day	Assignment	Due Date	✓	Grade
Week 7	Day 31	Read Lesson 7 • Pages 79-80 Complete Lesson 7 Exercise 1 • Pages 81-82			
	Day 32	Complete Lesson 7 Exercise 2 • Pages 83-84			
	Day 33	Complete Lesson 7 Exercise 3 • Pages 85-86			
	Day 34	Complete Lesson 7 Exercise 4 • Pages 87-88			
	Day 35	Complete Lesson 7 Exercise 5 • Pages 89-90			
Week 8	Day 36	Read Lesson 8 • Pages 91-92 Complete Lesson 8 Exercise 1 • Pages 93-94			
	Day 37	Complete Lesson 8 Exercise 2 • Pages 95-96			
	Day 38	Complete Lesson 8 Exercise 3 • Pages 97-98			
	Day 39	Complete Lesson 8 Exercise 4 • Pages 99-100			
	Day 40	Complete Lesson 8 Exercise 5 • Pages 101-102			
Week 9	Day 41	Read Lesson 9 • Pages 103-104 Complete Lesson 9 Exercise 1 • Pages 105-106			
	Day 42	Complete Lesson 9 Exercise 2 • Pages 107-108			
	Day 43	Complete Lesson 9 Exercise 3 • Pages 109-110			
	Day 44	Complete Lesson 9 Exercise 4 • Pages 111-112			
	Day 45	Complete Lesson 9 Exercise 5 • Pages 113-114			
First Semester-Second Quarter					
Week 1	Day 46	Read Lesson 10 • Pages 115-116 Complete Lesson 10 Exercise 1 • Pages 117-118			
	Day 47	Complete Lesson 10 Exercise 2 • Pages 119-120			
	Day 48	Complete Lesson 10 Exercise 3 • Pages 121-122			
	Day 49	Complete Lesson 10 Exercise 4 • Pages 123-124			
	Day 50	Complete Lesson 10 Exercise 5 • Pages 125-126			
Week 2	Day 51	Read Lesson 11 • Pages 127-128 Complete Lesson 11 Exercise 1 • Pages 129-130			
	Day 52	Complete Lesson 11 Exercise 2 • Pages 131-132			
	Day 53	Complete Lesson 11 Exercise 3 • Pages 133-134			
	Day 54	Complete Lesson 11 Exercise 4 • Pages 135-136			
	Day 55	Complete Lesson 11 Exercise 5 • Pages 137-138			
Week 3	Day 56	Read Lesson 12 • Pages 139-140 Complete Lesson 12 Exercise 1 • Pages 141-142			
	Day 57	Complete Lesson 12 Exercise 2 • Pages 143-144			
	Day 58	Complete Lesson 12 Exercise 3 • Pages 145-146			
	Day 59	Complete Lesson 12 Exercise 4 • Pages 147-148			
	Day 60	Complete Lesson 12 Exercise 5 • Pages 149-150			
Week 4	Day 61	Read Lesson 13 • Pages 151-152 Complete Lesson 13 Exercise 1 • Pages 153-154			
	Day 62	Complete Lesson 13 Exercise 2 • Pages 155-156			
	Day 63	Complete Lesson 13 Exercise 3 • Pages 157-158			
	Day 64	Complete Lesson 13 Exercise 4 • Pages 159-160			
	Day 65	Complete Lesson 13 Exercise 5 • Pages 161-162			

Date	Day	Assignment	Due Date	✓	Grade
Week 5	Day 66	Read Lesson 14 • Pages 163-164 Complete Lesson 14 Exercise 1 • Pages 165-166			
	Day 67	Complete Lesson 14 Exercise 2 • Pages 167-168			
	Day 68	Complete Lesson 14 Exercise 3 • Pages 169-170			
	Day 69	Complete Lesson 14 Exercise 4 • Pages 171-172			
	Day 70	Complete Lesson 14 Exercise 5 • Pages 173-174			
Week 6	Day 71	Read Lesson 15 • Pages 175-176 Complete Lesson 15 Exercise 1 • Pages 177-178			
	Day 72	Complete Lesson 15 Exercise 2 • Pages 179-180			
	Day 73	Complete Lesson 15 Exercise 3 • Pages 181-182			
	Day 74	Complete Lesson 15 Exercise 4 • Pages 183-184			
	Day 75	Complete Lesson 15 Exercise 5 • Pages 185-186			
Week 7	Day 76	Read Lesson 16 • Pages 187-188 Complete Lesson 16 Exercise 1 • Page 189-190			
	Day 77	Complete Lesson 16 Exercise 2 • Pages 191-192			
	Day 78	Complete Lesson 16 Exercise 3 • Pages 193-194			
	Day 79	Complete Lesson 16 Exercise 4 • Pages 195-196			
	Day 80	Complete Lesson 16 Exercise 5 • Pages 197-198			
Week 8	Day 81	Read Lesson 17 • Pages 199-200 Complete Lesson 17 Exercise 1 • Pages 201-202			
	Day 82	Complete Lesson 17 Exercise 2 • Pages 203-204			
	Day 83	Complete Lesson 17 Exercise 3 • Pages 205-206			
	Day 84	Complete Lesson 17 Exercise 4 • Pages 207-208			
	Day 85	Complete Lesson 17 Exercise 5 • Pages 209-210			
Week 9	Day 86	Read Lesson 18 • Pages 211-212 Complete Lesson 18 Exercise 1 • Pages 213-214			
	Day 87	Complete Lesson 18 Exercise 2 • Pages 215-216			
	Day 88	Complete Lesson 18 Exercise 3 • Pages 217-218			
	Day 89	Complete Lesson 18 Exercise 4 • Pages 219-220			
	Day 90	Complete Lesson 18 Exercise 5 • Pages 221-222			
		Mid-Term Grade			

Second Semester Suggested Daily Schedule

Date	Day	Assignment	Due Date	✓	Grade
Second Semester-Third Quarter					
Week 1	Day 91	Read Lesson 19 • Pages 223-224 Complete Lesson 19 Exercise 1 • Pages 225-226			
	Day 92	Complete Lesson 19 Exercise 2 • Pages 227-228			
	Day 93	Complete Lesson 19 Exercise 3 • Pages 229-230			
	Day 94	Complete Lesson 19 Exercise 4 • Pages 231-232			
	Day 95	Complete Lesson 19 Exercise 5 • Pages 233-234			
Week 2	Day 96	Read Lesson 20 • Pages 235-236 Complete Lesson 20 Exercise 1 • Pages 237-238			
	Day 97	Complete Lesson 20 Exercise 2 • Pages 239-240			
	Day 98	Complete Lesson 20 Exercise 3 • Pages 241-242			
	Day 99	Complete Lesson 20 Exercise 4 • Pages 243-244			
	Day 100	Complete Lesson 20 Exercise 5 • Pages 245-246			
Week 3	Day 101	Read Lesson 21 • Pages 247-248 Complete Lesson 21 Exercise 1 • Pages 249-250			
	Day 102	Complete Lesson 21 Exercise 2 • Pages 251-252			
	Day 103	Complete Lesson 21 Exercise 3 • Pages 253-254			
	Day 104	Complete Lesson 21 Exercise 4 • Pages 255-256			
	Day 105	Complete Lesson 21 Exercise 5 • Pages 257-258			
Week 4	Day 106	Read Lesson 22 • Pages 259-260 Complete Lesson 22 Exercise 1 • Pages 261-262			
	Day 107	Complete Lesson 22 Exercise 2 • Pages 263-264			
	Day 108	Complete Lesson 22 Exercise 3 • Pages 265-266			
	Day 109	Complete Lesson 22 Exercise 4 • Pages 267-268			
	Day 110	Complete Lesson 22 Exercise 5 • Pages 269-270			
Week 5	Day 111	Read Lesson 23 • Pages 271-272 Complete Lesson 23 Exercise 1 • Pages 273-274			
	Day 112	Complete Lesson 23 Exercise 2 • Pages 275-276			
	Day 113	Complete Lesson 23 Exercise 3 • Pages 277-278			
	Day 114	Complete Lesson 23 Exercise 4 • Pages 279-280			
	Day 115	Complete Lesson 23 Exercise 5 • Pages 281-282			
Week 6	Day 116	Read Lesson 24 • Pages 283-284 Complete Lesson 24 Exercise 1 • Pages 285-286			
	Day 117	Complete Lesson 24 Exercise 2 • Pages 287-288			
	Day 118	Complete Lesson 24 Exercise 3 • Pages 289-290			
	Day 119	Complete Lesson 24 Exercise 4 • Pages 291-292			
	Day 120	Complete Lesson 24 Exercise 5 • Pages 293-294			

Date	Day	Assignment	Due Date	✓	Grade
Week 7	Day 121	Read Lesson 25 • Pages 295-296 Complete Lesson 25 Exercise 1 • Pages 297-298			
	Day 122	Complete Lesson 25 Exercise 2 • Pages 299-300			
	Day 123	Complete Lesson 25 Exercise 3 • Pages 301-302			
	Day 124	Complete Lesson 25 Exercise 4 • Pages 303-304			
	Day 125	Complete Lesson 25 Exercise 5 • Pages 305-306			
Week 8	Day 126	Read Lesson 26 • Pages 307-308 Complete Lesson 26 Exercise 1 • Pages 309-310			
	Day 127	Complete Lesson 26 Exercise 2 • Pages 311-312			
	Day 128	Complete Lesson 26 Exercise 3 • Pages 313-314			
	Day 129	Complete Lesson 26 Exercise 4 • Pages 315-316			
	Day 130	Complete Lesson 26 Exercise 5 • Pages 317-318			
Week 9	Day 131	Read Lesson 27 • Pages 319-320 Complete Lesson 27 Exercise 1 • Pages 321-322			
	Day 132	Complete Lesson 27 Exercise 2 • Pages 323-324			
	Day 133	Complete Lesson 27 Exercise 3 • Pages 325-326			
	Day 134	Complete Lesson 27 Exercise 4 • Pages 327-328			
	Day 135	Complete Lesson 27 Exercise 5 • Pages 329-330			
Second Semester-Fourth Quarter					
Week 1	Day 136	Read Lesson 28 • Pages 331-332 Complete Lesson 28 Exercise 1 • Pages 333-334			
	Day 137	Complete Lesson 28 Exercise 2 • Pages 335-336			
	Day 138	Complete Lesson 28 Exercise 3 • Pages 337-338			
	Day 139	Complete Lesson 28 Exercise 4 • Pages 339-340			
	Day 140	Complete Lesson 28 Exercise 5 • Pages 341-342			
Week 2	Day 141	Read Lesson 29 • Pages 343-344 Complete Lesson 29 Exercise 1 • Pages 345-346			
	Day 142	Complete Lesson 29 Exercise 2 • Pages 347-348			
	Day 143	Complete Lesson 29 Exercise 3 • Pages 349-350			
	Day 144	Complete Lesson 29 Exercise 4 • Pages 351-352			
	Day 145	Complete Lesson 29 Exercise 5 • Pages 353-354			
Week 3	Day 146	Read Lesson 30 • Pages 355-356 Complete Lesson 30 Exercise 1 • Pages 357-358			
	Day 147	Complete Lesson 30 Exercise 2 • Pages 359-360			
	Day 148	Complete Lesson 30 Exercise 3 • Pages 361-362			
	Day 149	Complete Lesson 30 Exercise 4 • Pages 363-364			
	Day 150	Complete Lesson 30 Exercise 5 • Pages 365-366			
Week 4	Day 151	Read Lesson 31 • Pages 367-368 Complete Lesson 31 Exercise 1 • Pages 369-370			
	Day 152	Complete Lesson 31 Exercise 2 • Pages 371-372			
	Day 153	Complete Lesson 31 Exercise 3 • Pages 373-374			
	Day 154	Complete Lesson 31 Exercise 4 • Pages 375-376			
	Day 155	Complete Lesson 31 Exercise 5 • Pages 377-378			

Date	Day	Assignment	Due Date	✓	Grade
Week 5	Day 156	Read Lesson 32 • Pages 379-380 Complete Lesson 32 Exercise 1 • Pages 381-382			
	Day 157	Complete Lesson 32 Exercise 2 • Pages 383-384			
	Day 158	Complete Lesson 32 Exercise 3 • Pages 385-386			
	Day 159	Complete Lesson 32 Exercise 4 • Pages 387-388			
	Day 160	Complete Lesson 32 Exercise 5 • Pages 389-390			
Week 6	Day 161	Read Lesson 33 • Pages 391-392 Complete Lesson 33 Exercise 1 • Pages 393-394			
	Day 162	Complete Lesson 33 Exercise 2 • Pages 395-396			
	Day 163	Complete Lesson 33 Exercise 3 • Pages 397-398			
	Day 164	Complete Lesson 33 Exercise 4 • Pages 399-400			
	Day 165	Complete Lesson 33 Exercise 5 • Pages 401-402			
Week 7	Day 166	Read Lesson 34 • Pages 403-404 Complete Lesson 34 Exercise 1 • Pages 405-406			
	Day 167	Complete Lesson 34 Exercise 2 • Pages 407-408			
	Day 168	Complete Lesson 34 Exercise 3 • Pages 409-410			
	Day 169	Complete Lesson 34 Exercise 4 • Pages 411-412			
	Day 170	Complete Lesson 34 Exercise 5 • Pages 413-414			
Week 8	Day 171	Read Lesson 35 • Pages 415-416 Complete Lesson 35 Exercise 1 • Pages 417-418			
	Day 172	Complete Lesson 35 Exercise 2 • Pages 419-420			
	Day 173	Complete Lesson 35 Exercise 3 • Pages 421-422			
	Day 174	Complete Lesson 35 Exercise 4 • Pages 423-424			
	Day 175	Complete Lesson 35 Exercise 5 • Pages 425-426			
Week 9	Day 176	Read Lesson 36 • Pages 427-428 Complete Lesson 36 Exercise 1 • Pages 429-432			
	Day 177	Complete Lesson 36 Exercise 2 • Pages 433-436			
	Day 178	Complete Lesson 36 Exercise 3 • Pages 437-438			
	Day 179	Complete Lesson 36 Exercise 4 • Pages 439-440			
	Day 180	Complete Lesson 36 Exercise 5 • Pages 441-442			
		Final Grade			

Counting to 5, Circles, and Calendar Concepts

Lesson 1

“Mama, when is it going to stop raining?” Charlie’s question was muffled because his nose was pressed against the living room window. It seemed like it had been raining forever! Charlie’s twin sister, Charlotte, stood next to him and stared out at the gray sky. It was the middle of April, and the cold, Minnesota winter had given away to a warm but soggy, wet spring. The twins’ mom came to stand behind her two unhappy children. She wished it would stop raining, too.



“Children, why don’t you come into the kitchen with me,” she asked as she placed a hand on each of their heads. Sighing, they both nodded and turned away from the window.

“Can we help you make cookies, Mama?” Charlotte asked hopefully.

“Sure! Why don’t we make Daddy his favorite molasses cookies?” Mama was happy to see the children smile. As the rain continued to pitter-patter on the kitchen window awning, the three of them sang songs and worked together to stir up a batch of special cookies for Daddy.

They were having such a grand time together, they did not even realize that the rain had stopped until the sun was shining brightly through the window and into the kitchen.

“Mama! It stopped raining!” Charlie shouted. He had run back to his place at the living room window. “Wow!” he exclaimed in awe, “Look at the rainbow!” Charlotte raced to stand next to him, wiping her floury hands across her forehead to move the hair out of her eyes.



“Mama! Come look!” Charlotte called over her shoulder. “It’s the brightest rainbow I’ve ever seen before! Can we go outside to play now? Please?” Charlotte turned her face up to her mom.

“Yes, I don’t see why not!” her mom answered as she wiped Charlotte’s forehead with the corner of her apron. “Make sure you both put on your rubber boots!” she called out after her children, who had raced to the coat closet by the back door.

“Wooohooo! I love spring!” Charlie hooted in glee.

“Come on, Charlie, let’s go outside to see the rainbow!” Charlotte urged her brother.

Calendar:

- Complete the calendar.
- Review on back of calendar.

Teacher

See front matter for instruction on how to teach Calendar concepts.

These concepts are taught over the whole year. They are not going to grasp this all yet, but it is a simple basic introduction.

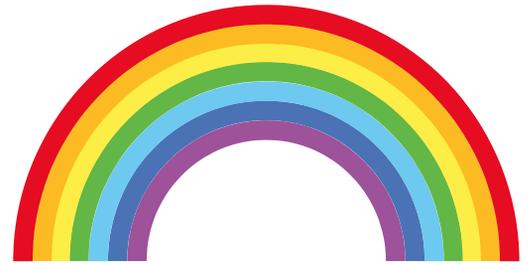
Name _____

Exercise 1

Day
1

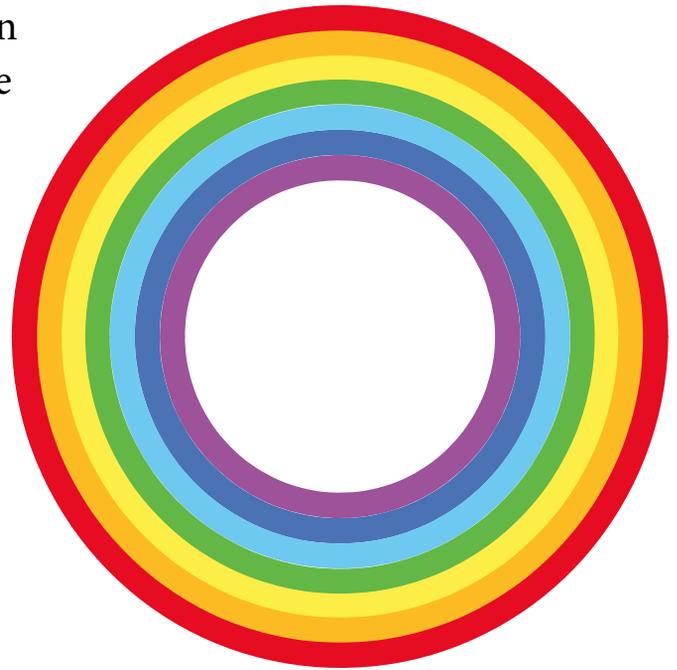
Application:

Have you ever seen a rainbow? I bet when you have seen a rainbow that you thought it was only part of a circle like this.



A rainbow is actually a full circle! You can only see part of it unless you are up in the sky at a certain angle. A rainbow stands for a promise from God.

Notice that a circle has no stopping points. It is kind of like a ball. Look around and see if you can find things that are shaped like a circle.



Critical Thinking:

Let's learn about different kinds of lines. Trace them with your finger.

This is a straight line. Count the straight line. One!



This is a curved line. Count the straight line and the curved line. One, two!



This line has both curved lines and straight lines. Count all the lines. One, two, three!



Name _____

Exercise

1

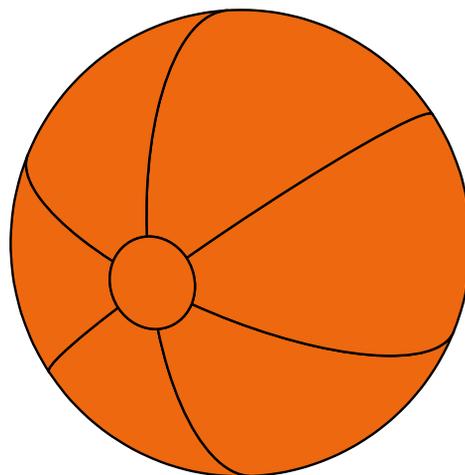
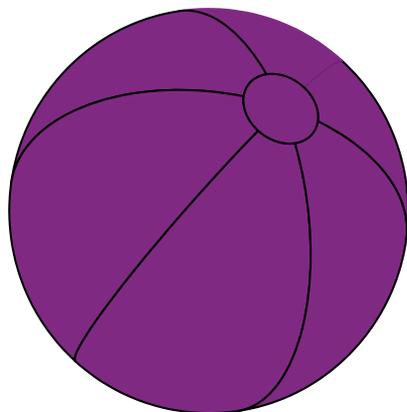
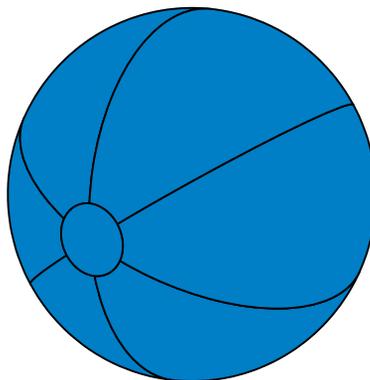
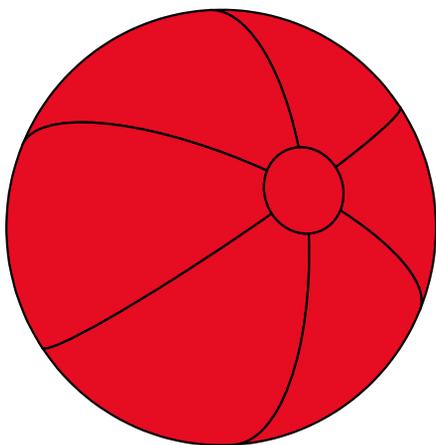
Day
1

Which number below is blue with a curved line?

Which one is orange with a straight line?



- Circle the ball that is purple.
- Put a mark on the ball that is red.
- Count all the balls. One, two, three, four!



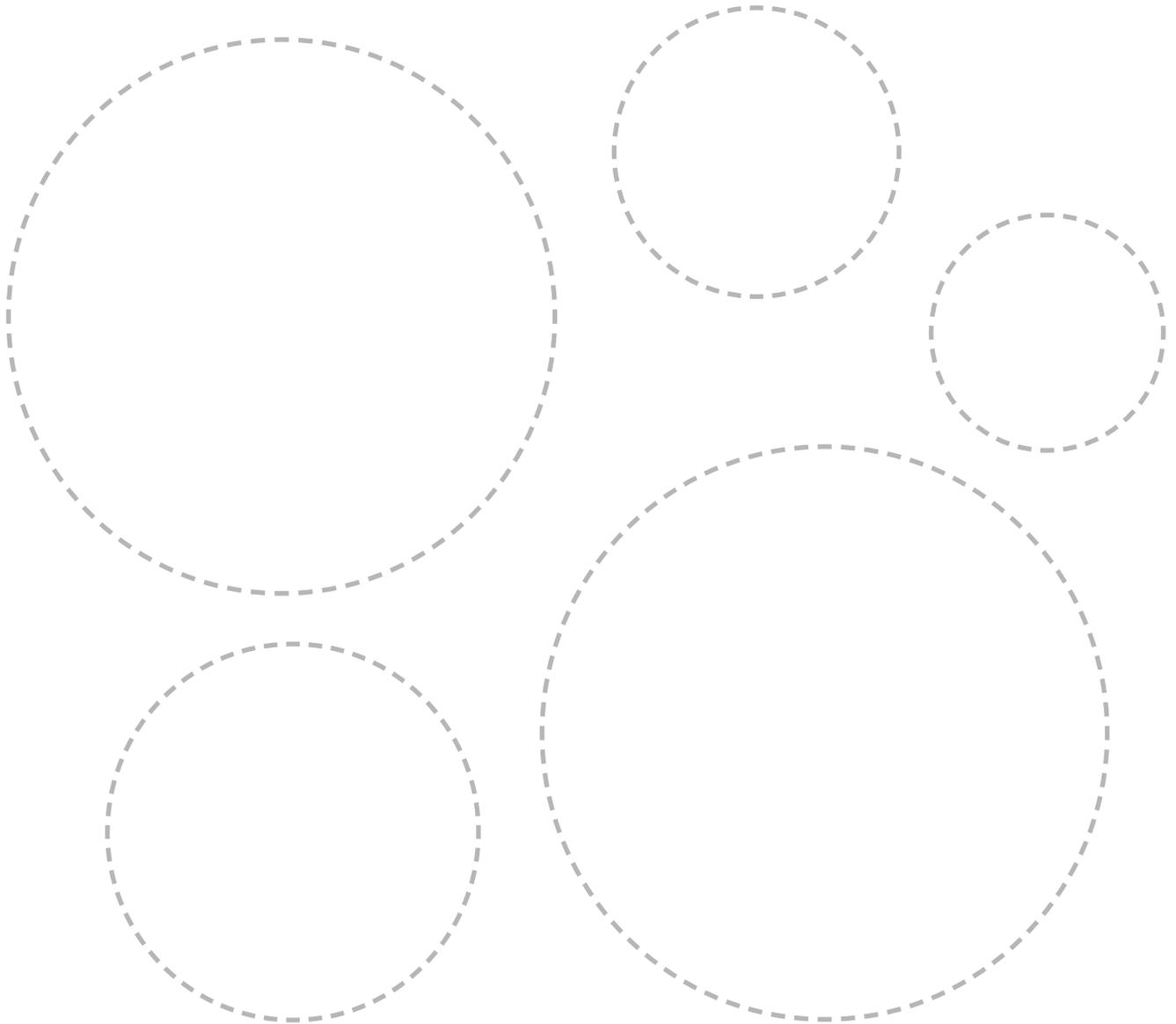
Name _____

Exercise 2

Day
2

Application:

- Trace the circles on the page with your finger.
- How many circles do you have?



Now, count to 5.
One, two, three, four, five!

Teacher

If a student struggles to count on his or her own, just repeat this throughout the day, even sing a rhyme with it. They do not need to count items, just count.

Name _____

Exercise

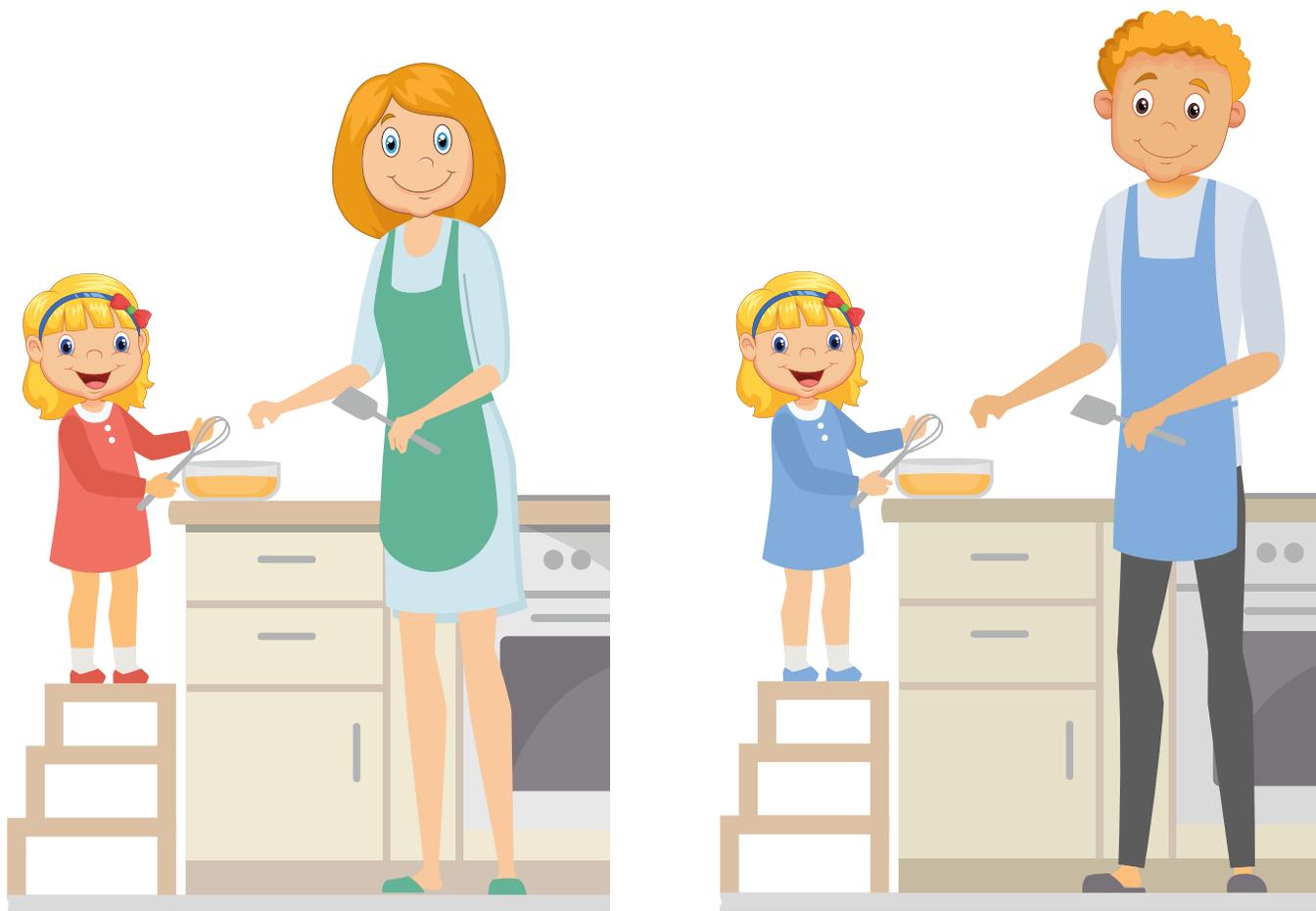
2

Day
2

Critical Thinking:

Can you find me? Point to the right answer.

- I am wearing a red dress.
- I have a blue apron on.
- I have a red bow and blue shoes.
- I am wearing a green apron.



Now, count all the smiles. One, two, three, four!

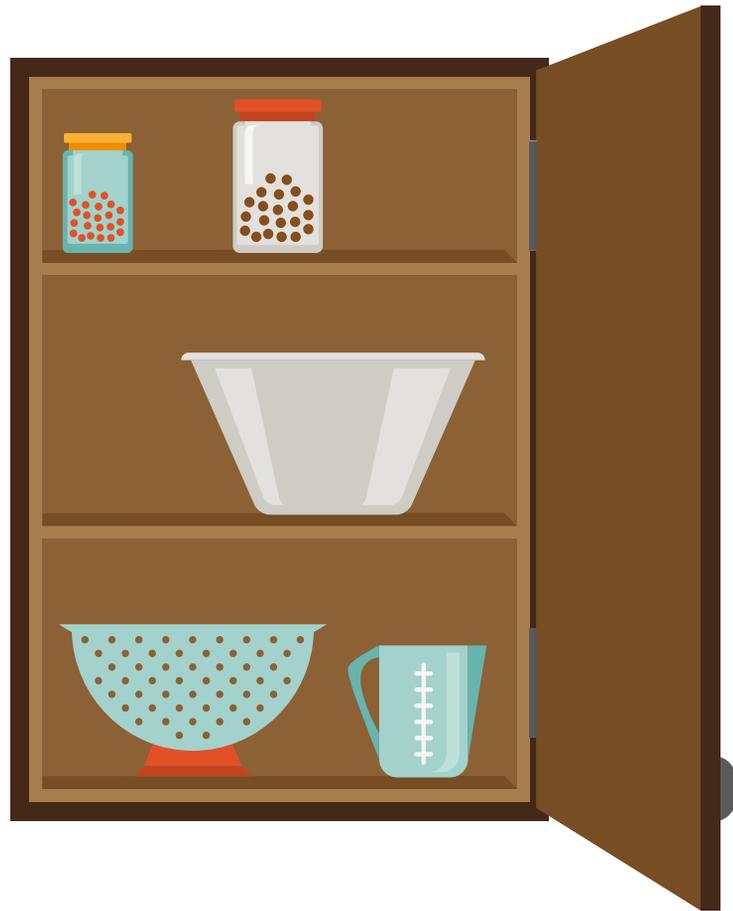
Application:

Counting objects is fun! When we count items, we often touch them as we count.

Look at the picture of the cupboard and count all five items. Point to each item as you count.

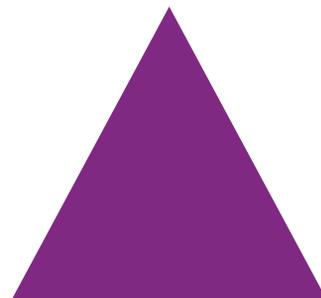
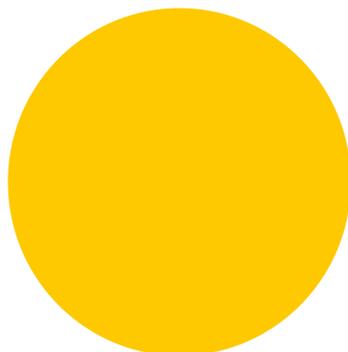
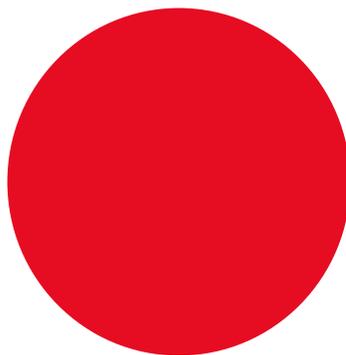
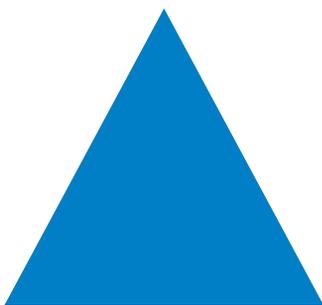
One, two, three, four, five!

Let's do it again and hop as we count.



Critical Thinking:

- Circle the red shape.
- Do you know what shape it is?



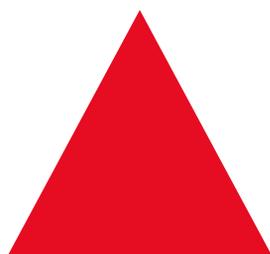
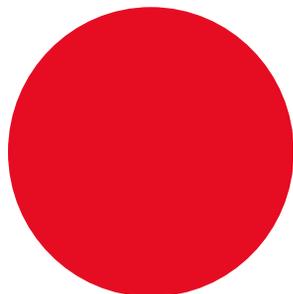
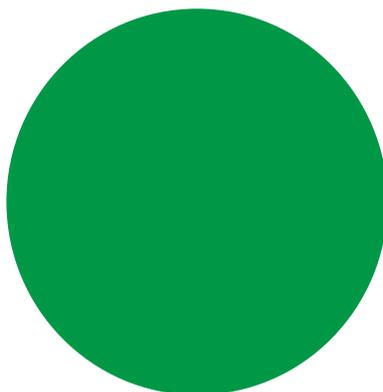
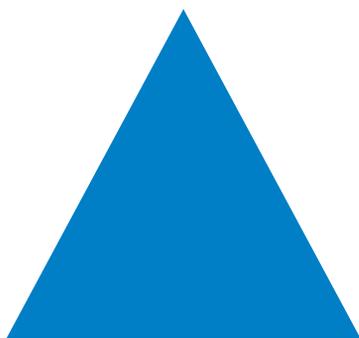
Name _____

Exercise

3

Day
3

- Use a blue crayon to draw a line to connect the blue shapes.
- Use a red crayon to connect the red shapes.
- Use a green crayon to connect the green shapes.



Name _____

Exercise 4

Day
4

Application:

Let's play a game!

Critical Thinking:

Can you find me?

- How many kids have a white shirt? (One!)
- How many kids have stripes on their shirts? (Two!)
- How many kids have blue pants? (Three!)
- How many girls are there? (Four!)
- How many kids are standing up? (Five!)

Teacher

Play a board game using color recognition and number recognition, such as Chutes & Ladders® or Candy Land®, etc.



Name _____

Exercise 5

Day
5

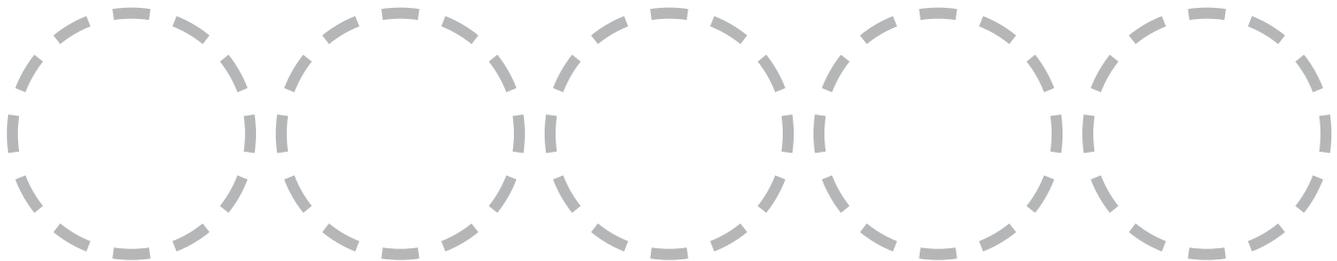
Do you know about the four seasons? There is fall, winter, spring, and summer. Fall or autumn is generally when the world gets cooler and leaves start to fall off the trees. Then comes winter, generally the coldest time of the year when it sometimes snows. After that the spring comes, when flowers and plants grow again, and it gets warmer. Finally, there is summer, the hottest time of the year. Say them with me now: fall, winter, spring, and summer!

Do you remember what season Charlie and Charlotte were in as their story started? It was spring!



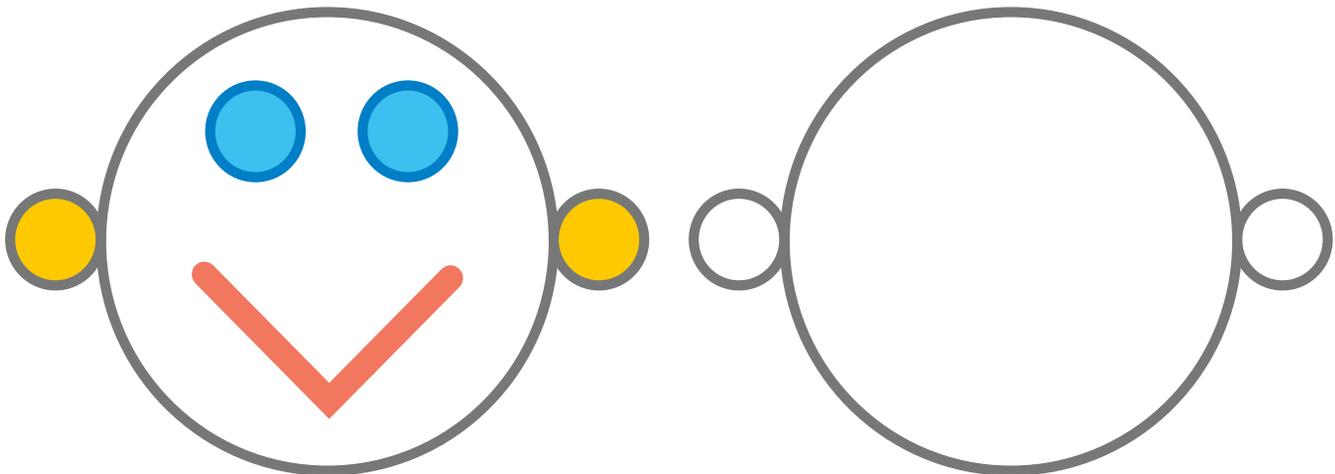
Application:

Trace and count the circles. One, two, three, four, five!



Critical Thinking:

Complete the picture by copying.



Number of the Week: 9, and Differences

“WOW! You two have grown!” exclaimed Mom as she recorded the twins’ height and weight on the door frame of Grandma’s screened porch.



Charlie had grown 2 inches and gained 4 pounds while Charlotte had grown $1\frac{3}{4}$ inches and gained 3 pounds. “That’s a lot since we measured you just a few months ago.” The twins grinned happily at how much they had grown.

“Mama, do you think we are big enough to ride Peanut?” Charlie hopped from one foot to the other. “Dad said that we have to be big enough to reach the horn of the saddle when it’s on Peanut’s back, before we could ride!”

“I don’t know, Charlie. Why don’t you two get your coats, hats, and boots on and go ask Daddy,” Mom said smiling down at her excited children.

“Whoopeeeee!” Charlie howled in glee. “Come on, Charlotte!” The twins ran to put on their coats, hats, and boots, and with excited chatter, ran out to find Dad. After explaining to him that Mom had just measured them, the children asked if they were big enough to ride the pony all by themselves.

“I don’t know, kiddos!” Dad answered. “The only way to find out is to try! You two go carry the saddle out from the tack room — make sure to bring the saddle blanket as well. And bring the bridle as well. Make sure you get the small curb bit, not the snaffle,” Dad instructed the children. They ran off to get everything.

“Dad, this saddle is too heavy for me to carry. Will you help us?” called Charlie as they tried to lift it from the saddle rack.

“Sure,” Dad replied coming to lift the small, leather western saddle from the rack, handing the saddle blanket to Charlie to carry and the bridle to Charlotte.

The twins remembered the Bible story about David putting on Saul’s armor and how heavy it must have been, especially if a pony saddle was this heavy. Charlie grunted, “Dad, could you help me again?” He was having difficulty tightening and buckling the girth on Peanut’s saddle around the plump pony’s middle.

As Dad helped Charlie with the girth, Charlotte stood by watching and holding the bridle. Peanut’s teeth looked a lot bigger and sharper than she remembered! It sure was a lot of work getting a saddle on a pony, Charlotte thought to herself. *Someday I’ll be big and strong enough to do it by. . . .* Suddenly, Charlotte jumped and gave a startled yelp. A long spider’s web was flying in her face and sticking in her hair. “Charlie look!” exclaimed Charlotte as she showed Charlie the web.

“Isn’t it amazing how strong and stretchy a spider’s web is?” Dad asked as Charlie and Charlotte nodded. “This is one way God shows us how something small can be strong. Like Peanut here. He’s small for a horse, but he’s strong enough to carry you two on his back! Who wants to go first?”

Calendar:

- Complete the calendar.
- Review on back of calendar.

Name _____

Exercise 1

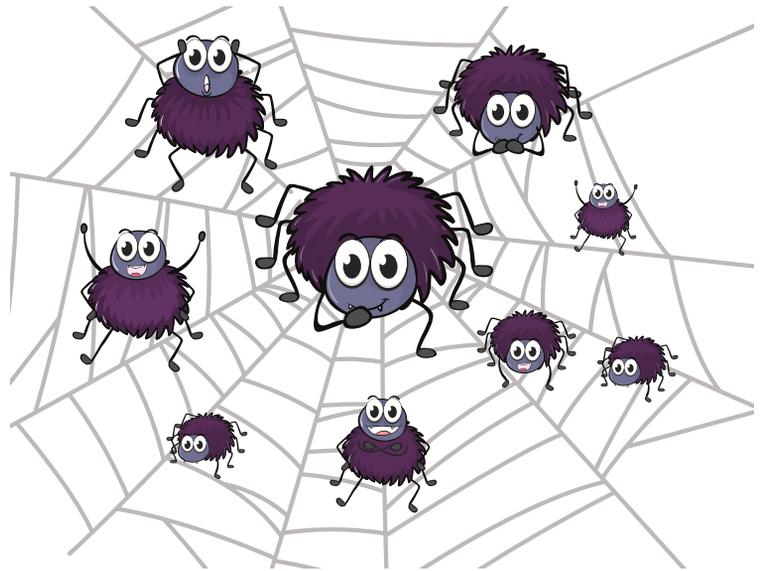
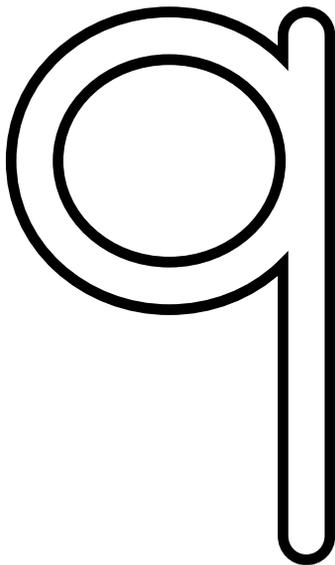
Day
116

Application:

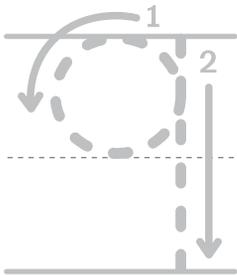
Number of the Week:

9 — N-I-N-E spells nine.

This is the number 9. Count the 9 spiders.

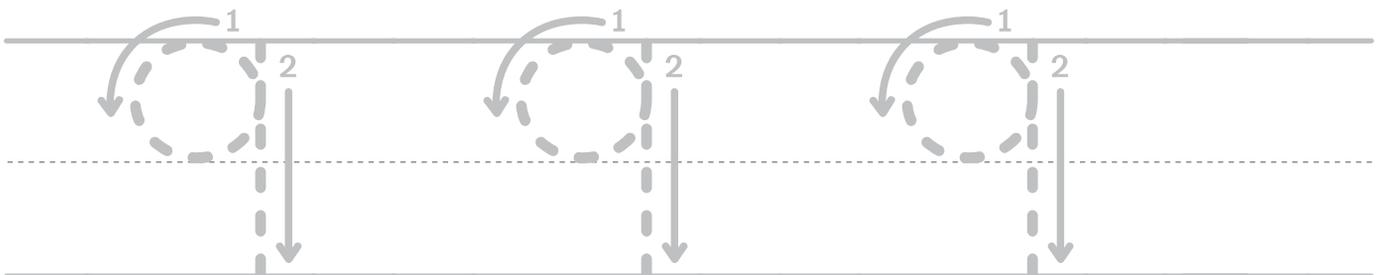


When we write a 9, we start at the top line:



“Over, around, down to the line, that’s the way we make a 9.”

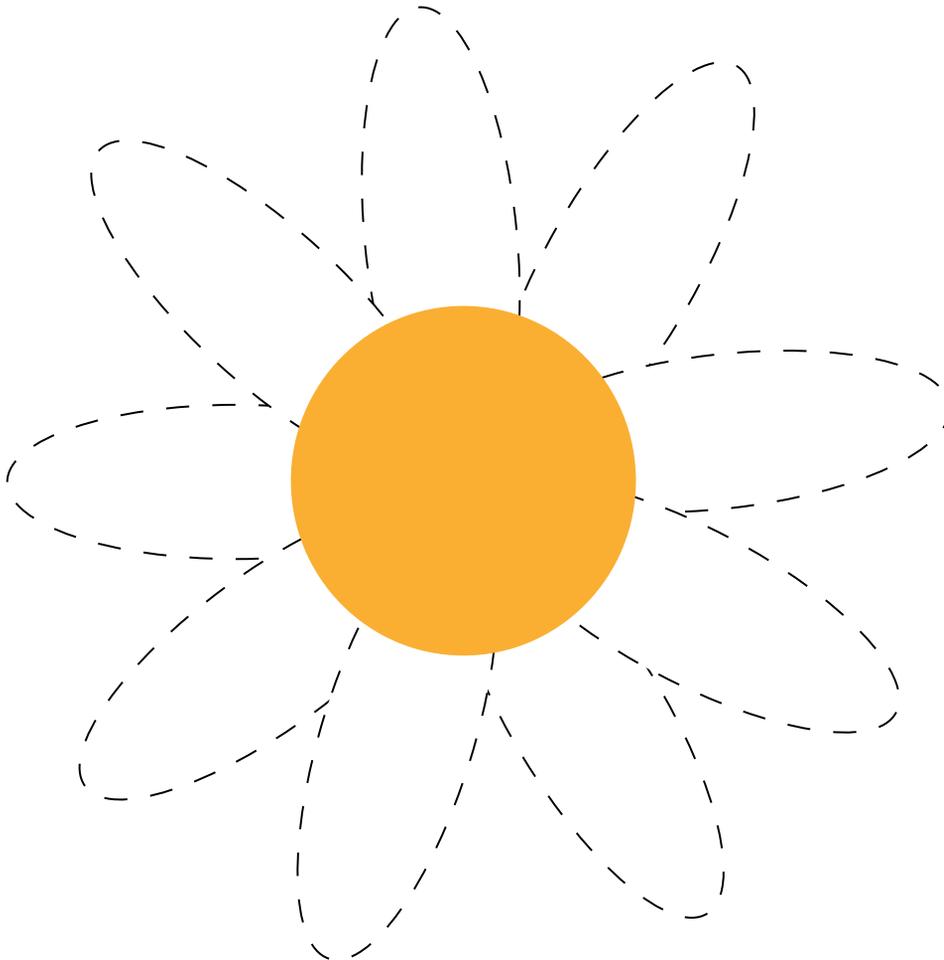
Trace the 9’s:



Critical Thinking:

Bees are very busy workers. Bees flap their wings 200 times per second which is what gives them the buzz sound. Bees make 12 collection trips a day, and visit 500–1000 flowers on each trip. They work almost non-stop from sunrise to sunset. They only stop for a 30-second nap if they need a break. They make honey, which is known as a miracle food. It contains almost every nutrient for life — and it won't spoil for years, even thousands of years! Archaeologists have found pots of honey in ancient Egyptian tombs and it's still good to eat! Isn't it amazing that God gave us bees and honey to help us?

Trace and color the 9 pedals of the flower.

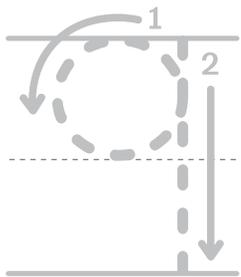


Application:

Number of the Week:

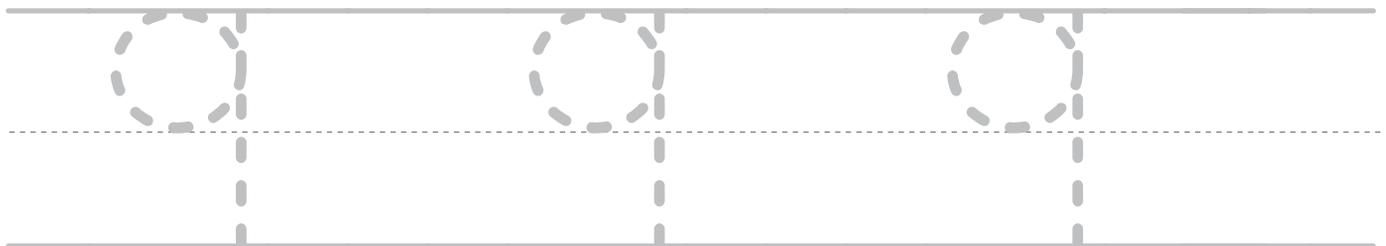
9 — N-I-N-E spells nine.

This is the number 9. When we write a 9, we start at the top line:



“Over, around, down to the line, that’s the way we make a 9.”

Trace the 9’s:

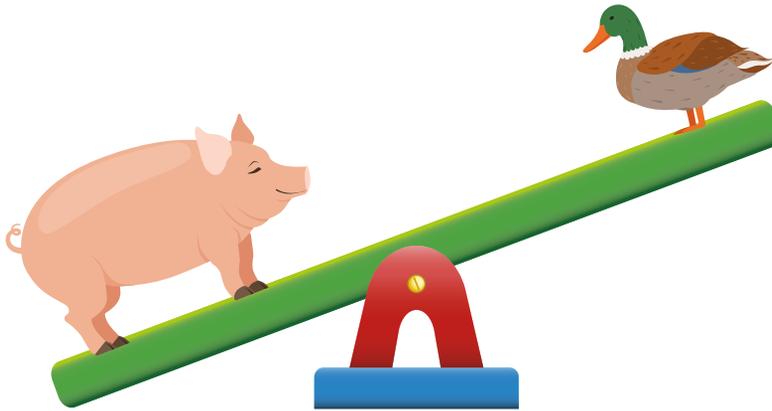


Trace and count. Color in the squares for the amount of each number.

Critical Thinking:

When we look at a scale like this, called a balance, it kind of looks like a teeter totter! If the item weighs more, it pushes the scale down.

Tell your teacher which one weighs the most.



Name _____

Exercise 3

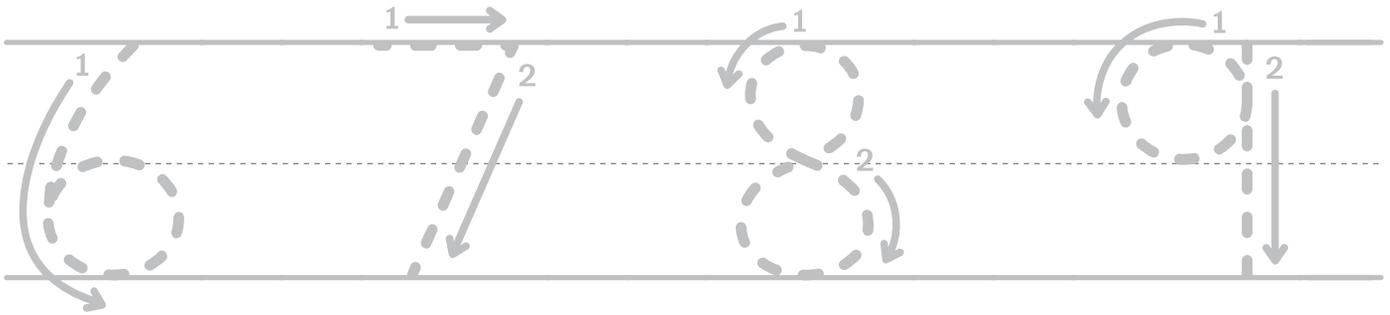
Day
118

Application:

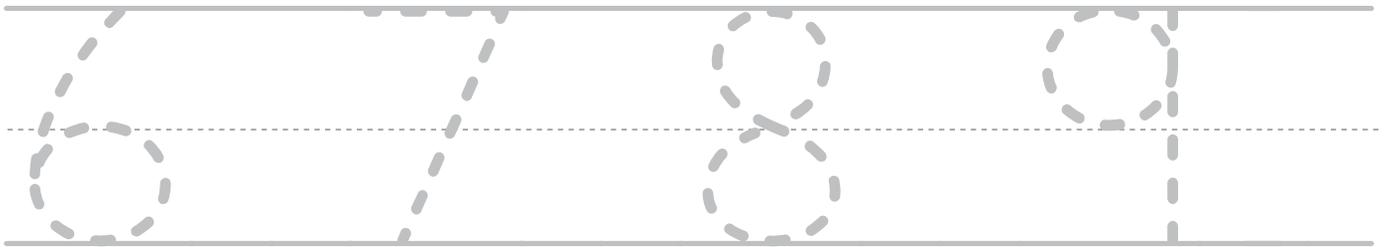
Number of the Week:

9 — N-I-N-E spells nine.

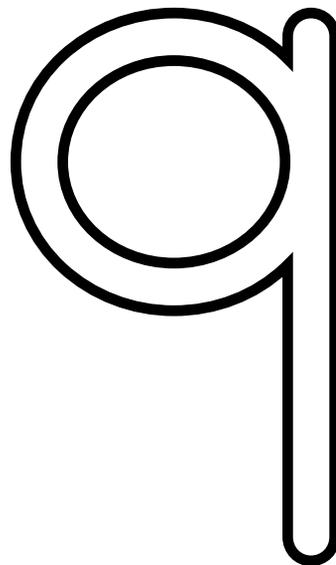
Let's practice writing the numbers we have learned so far.



Let's trace these.



Color the number 9.



Name _____

Exercise 4

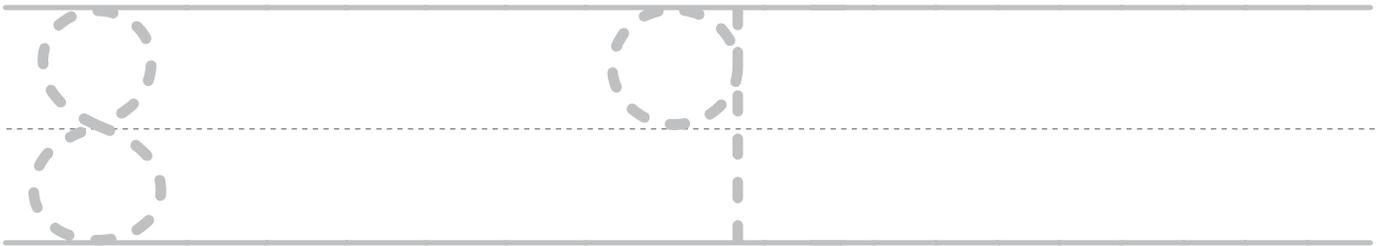
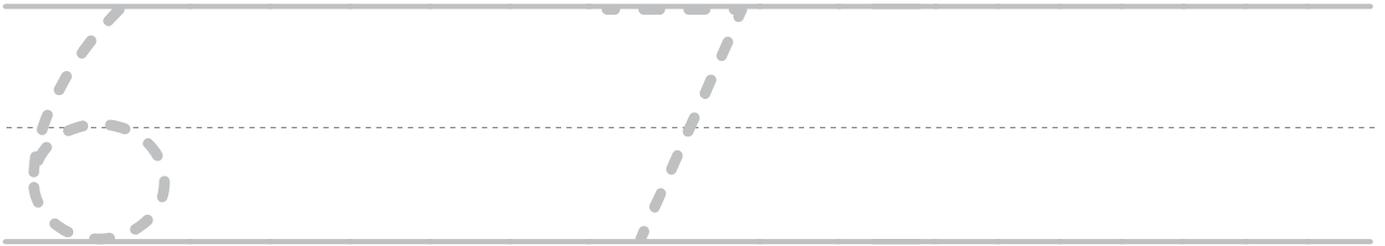
Day
119

Application:

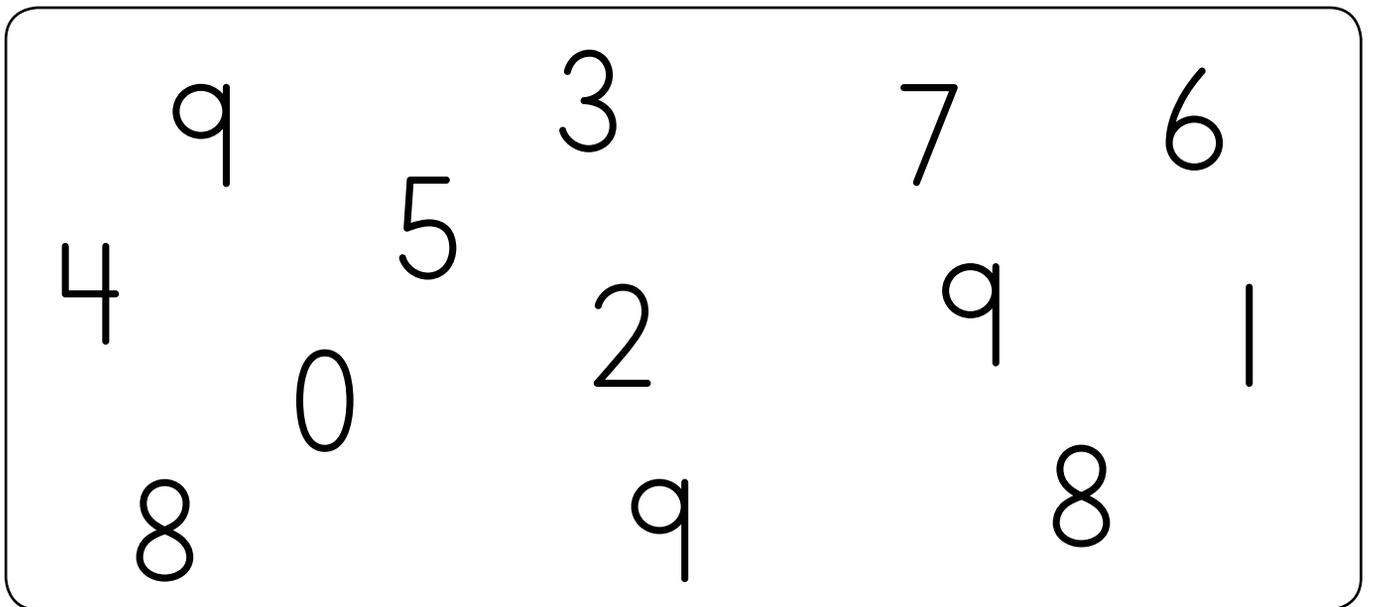
Number of the Week:

9 — N-I-N-E spells nine.

Let's practice our numbers. Try writing the number next to the one you traced.



Circle the 9's.



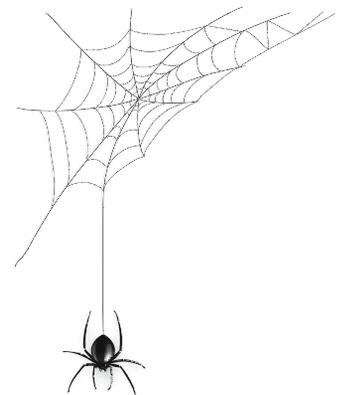
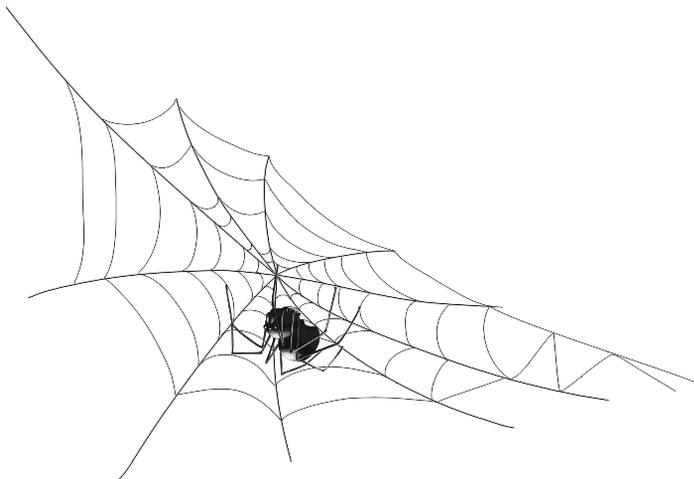
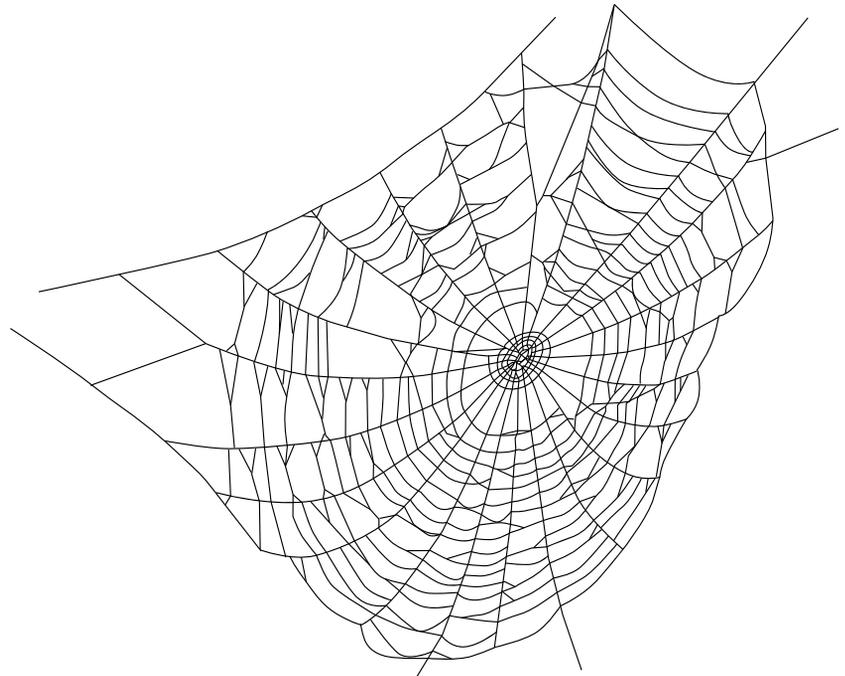
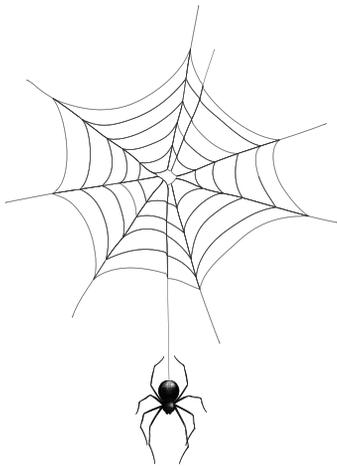
Critical Thinking:

Spider webs barely weigh anything.

Use thread to make a circle around a globe or ball.

If you had a spider web that went around the earth, it would only weigh a little over 1 pound (18 oz.). That is barely over the weight of a loaf of bread. Spider webs are also very strong. The webbing is tougher than steel, but more flexible than nylon! In the South Pacific Islands, they even use it for fishing.

Remember, spider webs do not weigh a lot. Which web would weigh the most? Circle it.



Name _____

Exercise 5

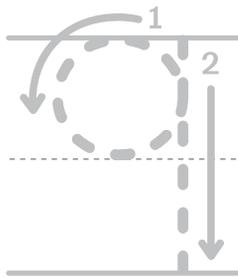
Day
120

Application:

Number of the Week:

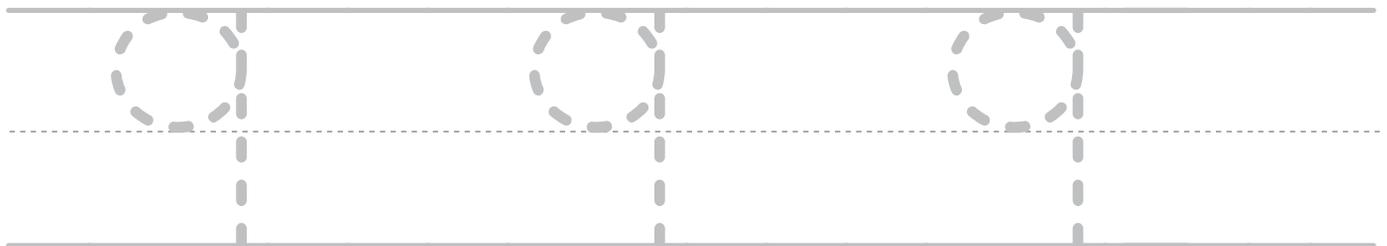
9 — N-I-N-E spells nine.

This is the number 9. When we write a 9, we start at the top line:



“Over, around, down to the line, that’s the way we make a 9.”

Trace the 9’s:



Count and circle the number of faces there are.

	1 2 3 4 5 6
	1 2 3 4 5 6
	1 2 3 4 5 6

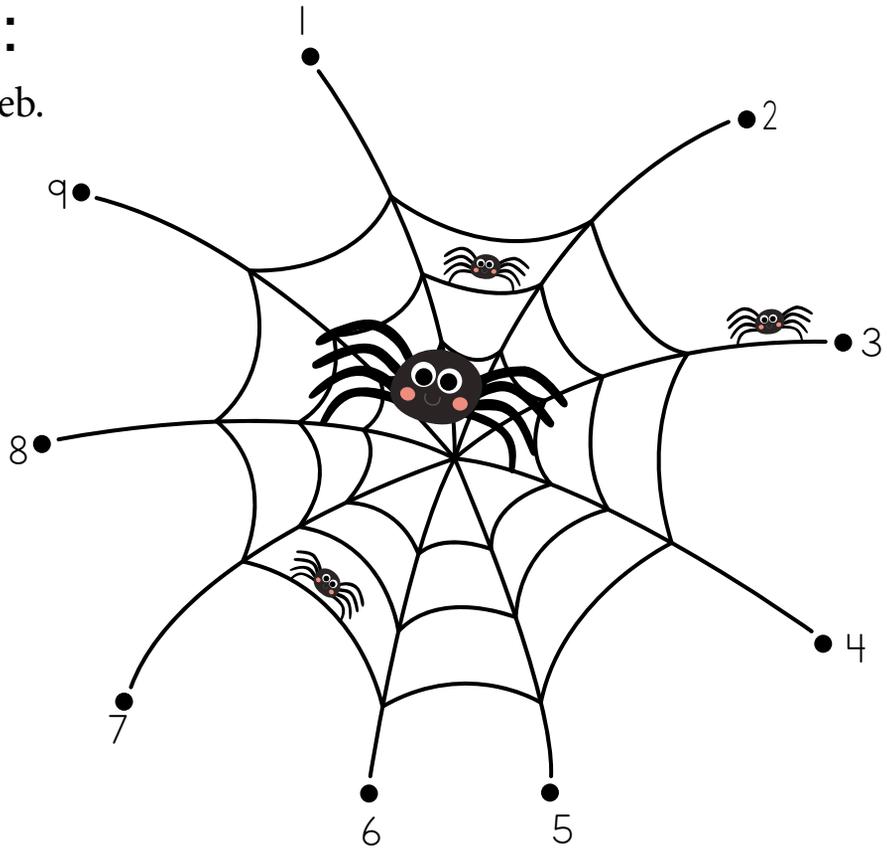
Name _____

Exercise 5

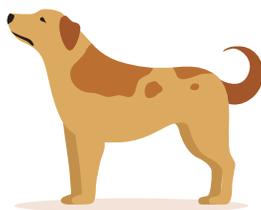
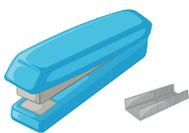
Day
120

Critical Thinking:

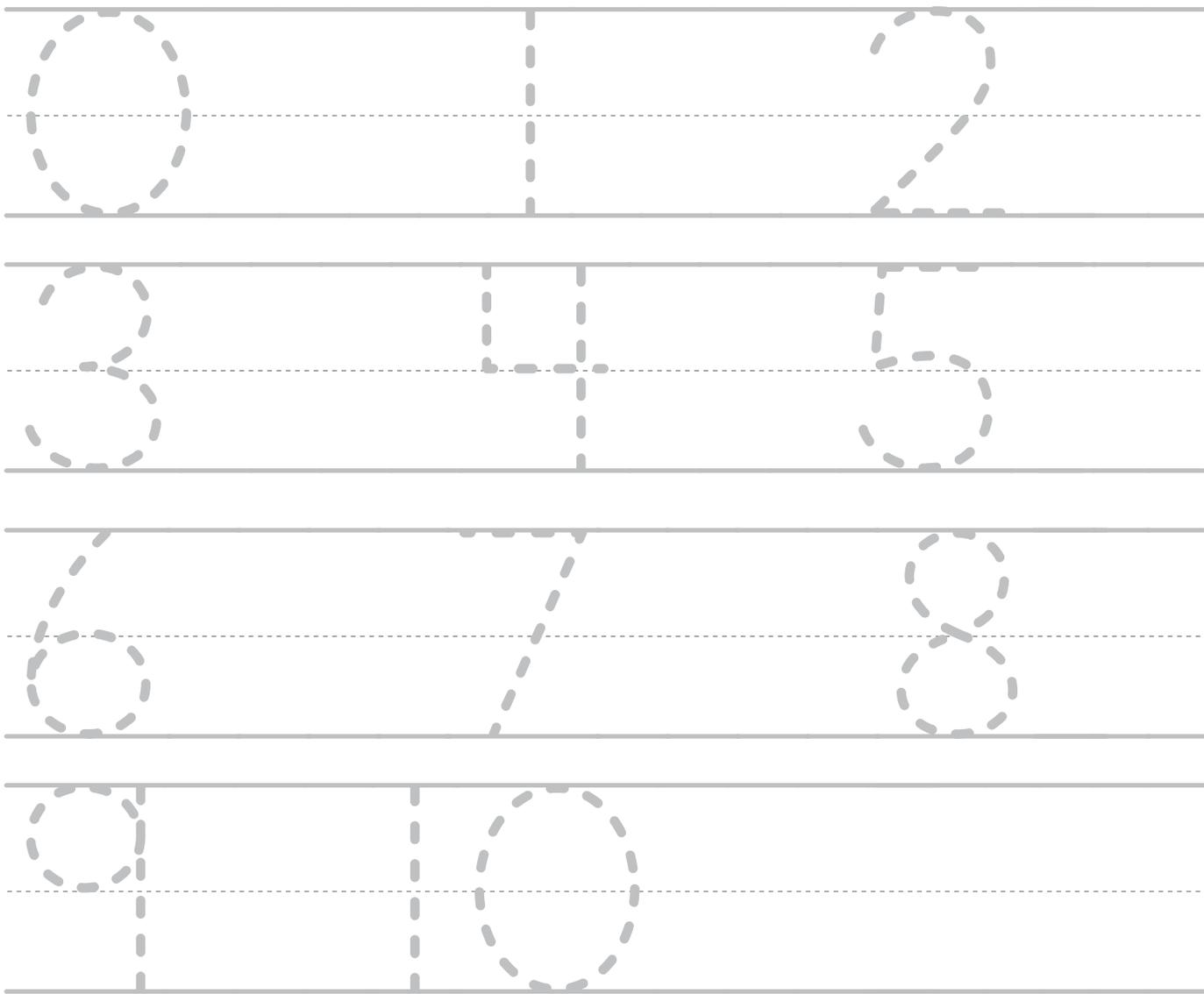
Help the spider finish its web.



Which one is heaviest? Which one is lightest?

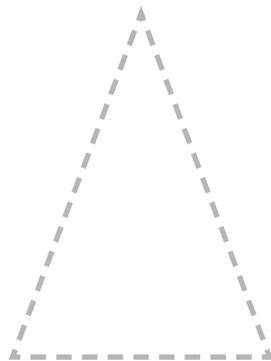
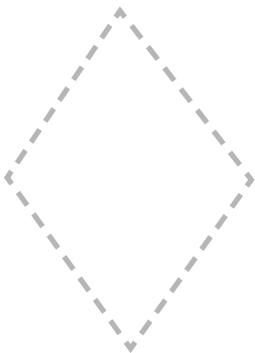
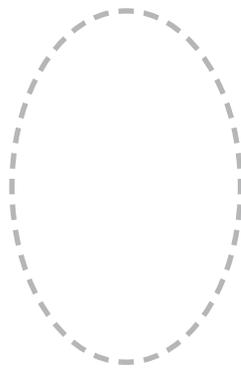
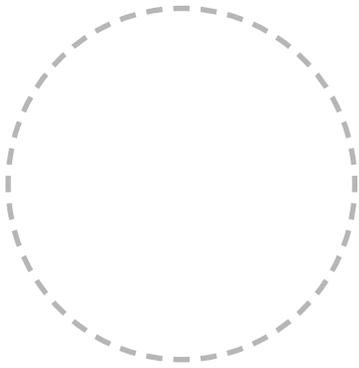


Number Practice Sheet



Remove from book and laminate. Use with washable markers.

Shape Practice Sheet



Daily Calendar

Month _____

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

JANUARY

JULY

FEBRUARY

AUGUST

MARCH

SEPTEMBER

APRIL

OCTOBER

MAY

NOVEMBER

JUNE

DECEMBER

Calendar Activities

Teacher

Remember to point to Saturday and Sunday on the calendar as you talk about the weekend. Then point to each of the weekdays as you talk about them

Exercise 1

- Can you tell me what the month is on our Calendar?
- There are 7 days in a week, count to 7. Now, I want you to look at our Calendar. These 2 days are called the 'weekend'.
- The other 5 days are called weekdays. Let's point and count the weekdays.

Exercise 2

- Can you tell me what the month is on our Calendar?
- There are 7 days in a week, count to 7. Now, I want you to look at our Calendar. These 2 days are called the 'weekend'.
- The other 5 days are called weekdays. Let's point and count the weekdays.

Exercise 3

- There are 7 days in a week, count to 7.
- Remember, these 2 days are called the 'weekend'. The other 5 days are called weekdays. Let's point and count the weekdays.
- Can you tell me what two days of the week are the weekend?

Exercise 4

- There are 7 days in a week, count to 7.
- Point and count the weekdays.

Exercise 5

There are 7 days in a week, count to 7. Point and count the weekdays.

Puzzle Solutions

Page 96



Page 98



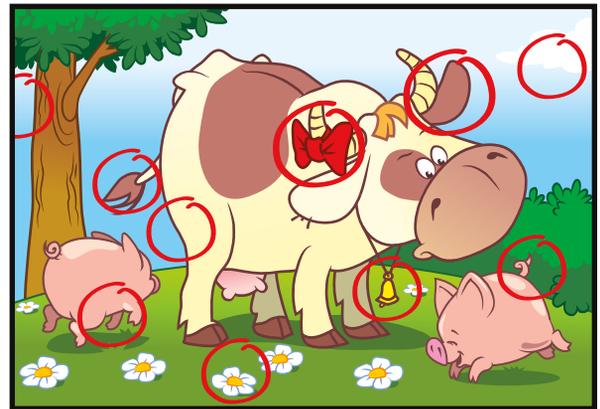
Page 254



Page 298

		1	2	6	5
		8	3	7	4
3	9	5	4	10	1
1	7	6	2	8	5
4	8	9	10		
5	4	2	3		

Page 304

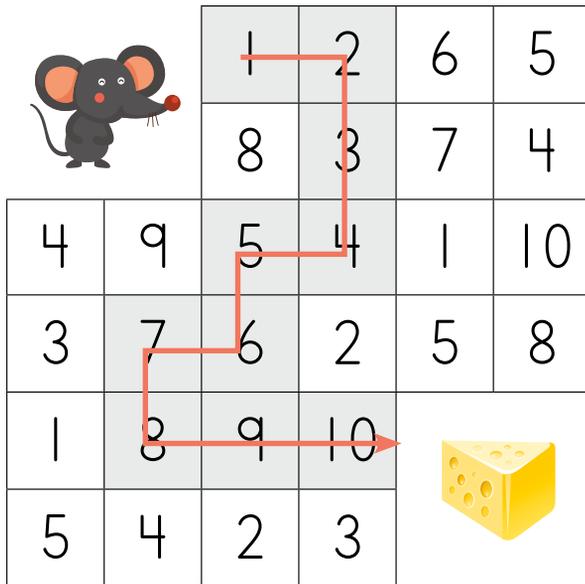


Page 337

		8	7	4	5
		1	2	3	6
14	13	12	9	8	7
15	5	11	10		

Puzzle Solutions

Page 429



A 6x6 grid puzzle solution. The grid contains numbers 1 through 10. A mouse is at the top left, and a wedge of cheese is at the bottom right. A path of red arrows starts at the mouse and ends at the cheese, visiting the following cells: (1,2), (2,2), (3,3), (3,4), (4,3), (4,2), (5,2), (5,3), (5,4), (5,5).

		1	2	6	5
		8	3	7	4
4	9	5	4	1	10
3	7	6	2	5	8
1	8	9	10		
5	4	2	3		

Author Bios:

As a homeschooling mom and author, **Angela O'Dell** embraces many aspects of the Charlotte Mason method, yet knows that modern children need an education that fits the needs of this generation. Based upon her foundational belief in a living God for a living education, she has worked to bring a curriculum that will reach deep into the heart of home-educated children and their families. Angela's goal is to bring materials that teach and train hearts and minds to find the answers for our generation in the never-changing truth of God and His Word.

Carrie Bailey is a Christian homeschool mom to three boys. She has a degree in early childhood education, and has also taught students with special needs in the public school system. She and her husband, Jesse, work in their home church serving in many capacities from media to curriculum decisions. Carrie has a passion for helping others on their journey and encouraging other moms.