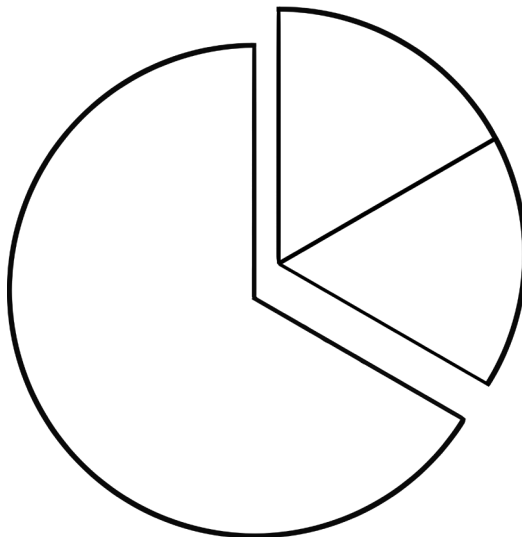


More Logic-Math Exercises for Young Children

Bonnie Risby
Robert K. Risby II



Royal Fireworks Press
Unionville, New York

Lesson 1

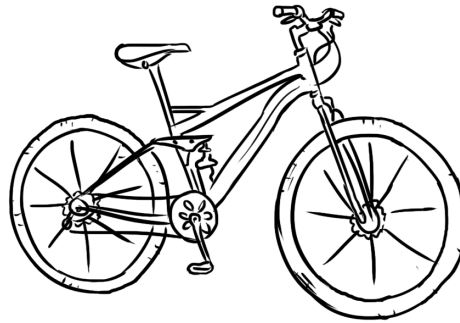
Organizing Information/Venn Diagrams

Toys with Wheels

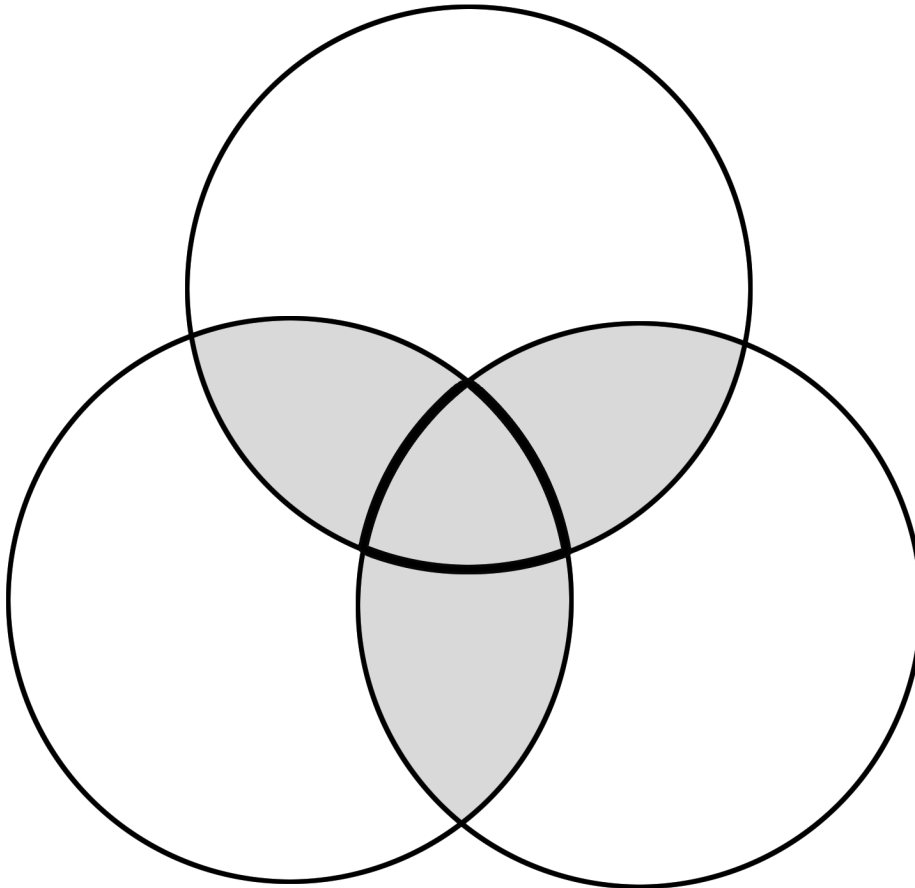
Avery and Logan are visiting garage sales around the neighborhood. Among the things that people are trying to sell are toys that have wheels, especially old bicycles, wagons, and skateboards. Read the traits carefully, and then write the number of each trait in the correct space in the Venn diagram on the next page.

Traits

1. Have four wheels
2. Have pedals
3. Should be used with a helmet
4. Are built to be stood upon
5. Must be pulled
6. Have spokes
7. Have handlebars
8. Have small wheels
9. Are designed to carry things so people don't have to
10. Should be used with elbow pads and knee pads
11. Can be used to do tricks
12. Are best enjoyed outdoors
13. Are mostly flat

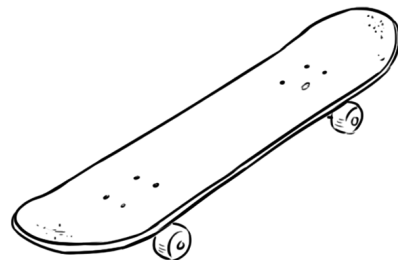
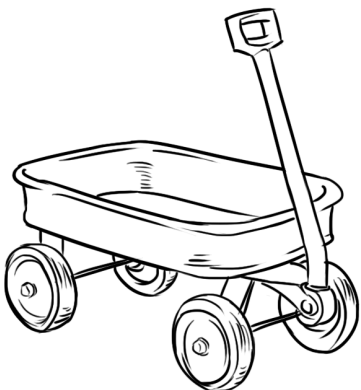


Bicycles



Wagons

Skateboards



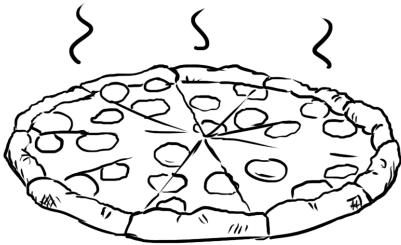
Lesson 14

Sequences/Temperature

Is It Hot or Cold?

Look carefully at the pictures, and number them in the correct order from the coldest to the hottest.

a. _____ 90°



b. _____ -15°



c. _____ 78°



d. _____ -25°



e. _____ 5°



f. _____ 180°



g. _____ 40°



h. _____ 70°



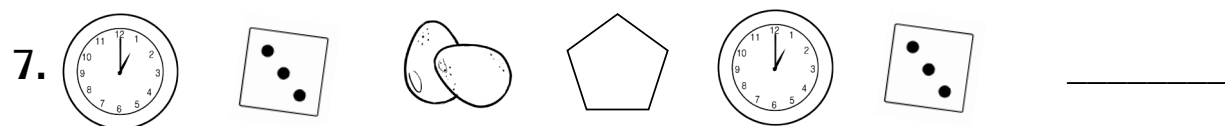
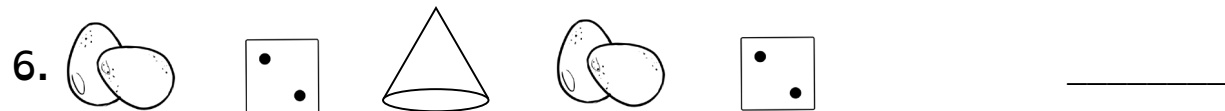
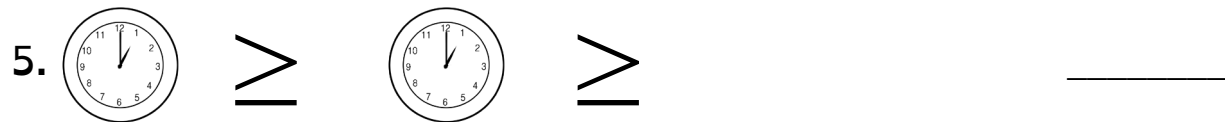
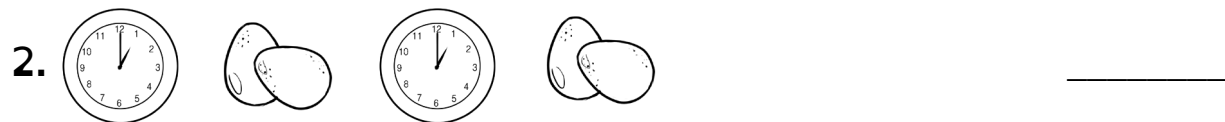
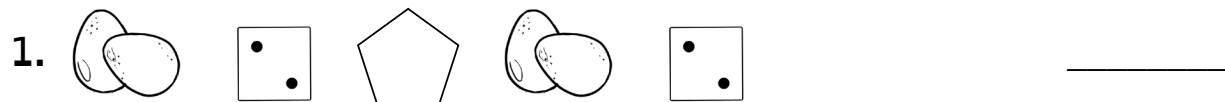
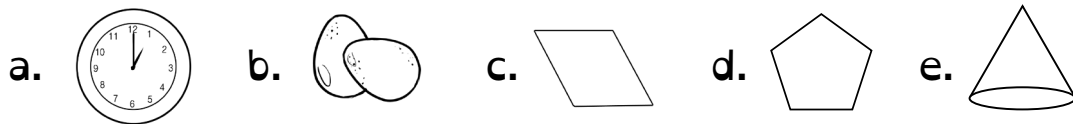
i. _____ 600°



Lesson 22

Patterns/Math Concepts

Study the patterns carefully. Then write the letter of the object or set of objects that should come next in each pattern.

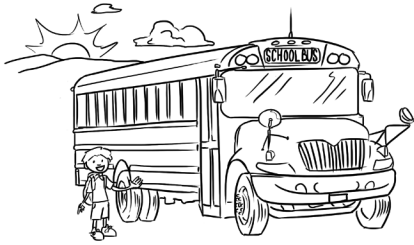


Lesson 33

Inferences/Time

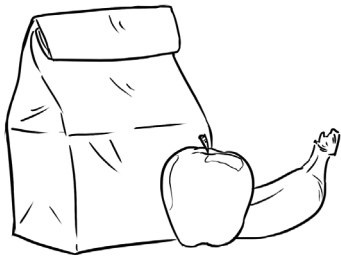
Look at each picture. Then circle the time that is related to the picture.

1.



- a. 5:00 AM
- b. 8:00 AM
- c. 6:00 PM
- d. 8:30 PM

2.



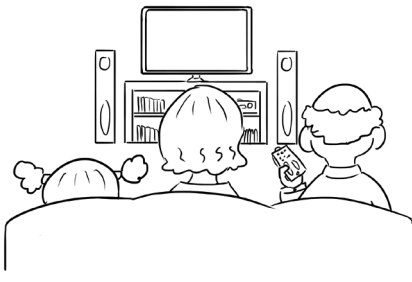
- a. 8:00 AM
- b. 12:00 Noon
- c. 7:00 PM
- d. 11:30 PM

3.



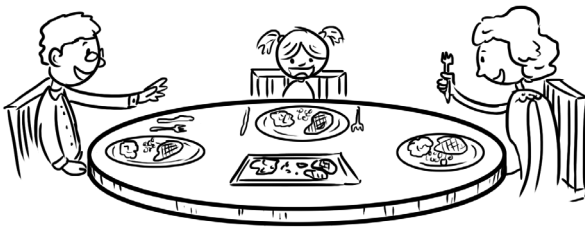
- a. 6:00 AM
- b. 12:00 Noon
- c. 4:30 PM
- d. 9:00 PM

4.



- a. 7:30 AM
- b. 9:00 AM
- c. 2:30 PM
- d. 7:30 PM

5.



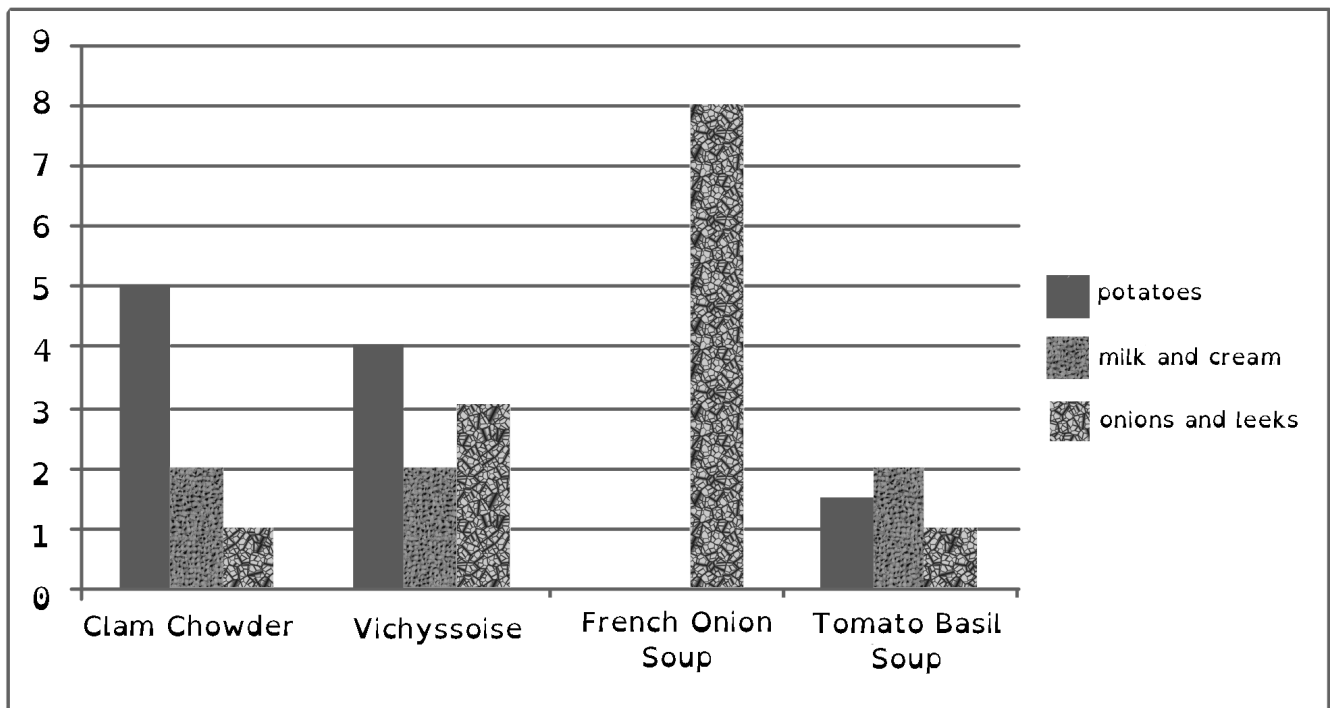
- a. 5:30 AM
- b. 10:00 AM
- c. 6:00 PM
- d. 10:30 PM

Lesson 37

Inferences/Graphs

Soup's On!

Lucia and Mateo are ordering ingredients for a Soup-a-thon Sale. They are trying to earn money for a new nature center, so they must order correctly. Use the graph below to help you fill in the correct number of cups in each blank of the soup recipes on the following pages. You must estimate the values for the bars on the graph that end between whole numbers.



Clam Chowder

- 8 pieces of bacon, cut into small pieces
- ____ cup(s) onion, chopped
- 2 cans baby clams
- ____ cup(s) potatoes, cubed
- 2 cans cream of celery soup
- ____ cup(s) heavy cream
- 1 tbsp. butter
- 1 tsp. dried dill



Vichyssoise

- 3 tbsp. butter
- ____ cup(s) leeks, sliced and washed
- ____ cup(s) potatoes, peeled and diced
- salt and pepper
- 8 cups water
- ____ cup(s) heavy cream



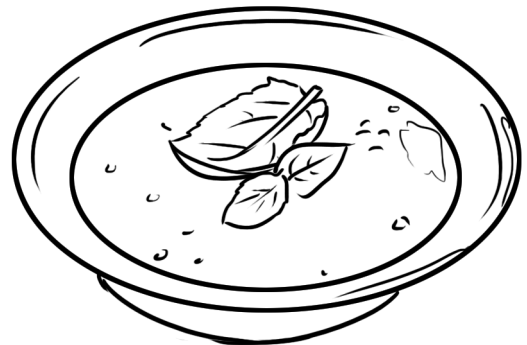
French Onion Soup

- ____ cup(s) onions, thinly sliced
- 2 bay leaves
- 3/4 tsp. salt
- 1/2 stick unsalted butter
- 4 tsp. flour
- 4 cups beef broth
- 1-1/2 cups water
- 1/2 tsp. black pepper
- 6 slices of baguette
- 1/2 pound cheese



Tomato Basil Bisque

- 4 tbsp. butter
- 3-5 stalks celery, chopped
- ____ cup(s) onions, chopped
- 3 quarts vegetable broth
- 1 quart potato water
- ____ cup(s) mashed potatoes
- 4 cups tomato puree
- ____ cup(s) milk
- salt and pepper



Lesson 42

Analogies/Math Concepts

Choose the pair of pictures that are related to each other in the same way that the top two pictures are related to each other. Circle the letter of the correct pair.

Example:  is like  as  is like 

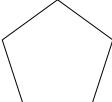
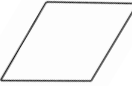
1. eye is to Bob as:


a. rose is to bud


b. 343 is to 808

c. $10/100$ is to $1/2$

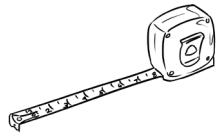
2.  is to time as:

a.  is to 

b.  is to clock

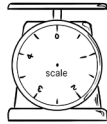
c.  is to weight

3.



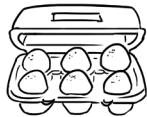
is to inches as:

a.



is to pound

b.



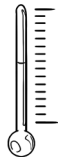
is to eat

c.



is to calories

4.



is to 50° as:

a.



is to



b.



is to 50 ml

c.



is to



Lesson 49

Deduction/Fractions

Gathering Mushrooms

It is the end of April, and Demarco, Jasmine, and Isaiah go into the woods with Grandpa to gather morel mushrooms. Grandma will use them to make a big family dinner. Read the clues carefully, and then draw a line connecting each person with his or her harvest of mushrooms.

Clues

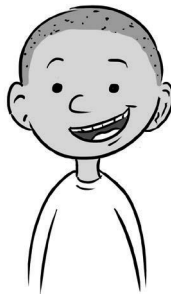
1. Demarco harvests fewer mushrooms than Grandpa but more than his cousins combined.
2. Isaiah is the youngest and picks only half as much as his sister.

BONUS: Total mushrooms gathered = _____ quarts

Grandpa



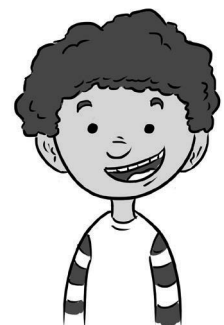
Demarco



Jasmine



Isaiah



$\frac{3}{4}$ quart



$1\frac{1}{2}$ quarts



$3\frac{1}{2}$ quarts



$5\frac{1}{4}$ quarts