

# 2nd Grade

Instructional Packet



# This book belongs to

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**This packet is compliments of  
Genesee Intermediate School District  
to support your learning at home!**



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# **2nd Grade**

## **Week 1**

### **March 23, 2020**

Please work with your child to complete  
the activities in the packet.

Your child may do these on their own or  
you may support them as needed.

# Seeds Need to Move

by Rachelle Kreisman



A plant starts life as a seed. When that seed grows into a plant, that plant makes new seeds. Those seeds, too, can grow and turn into more new plants.

But did you know that not every seed grows into a plant? To become a plant, a seed has to travel. That is because seeds need room to grow. A seed has to be far enough away from other plants so that it gets the sunlight and water it needs. If a seed falls to the ground too close to its parent plant, it may not grow.

Of course, wind can spread the seeds for many plants. But some plants depend on animals to move their seeds. Those seeds are called hitchhiker seeds. They travel on something else that moves!

Many hitchhiker seeds are prickly. They have tiny rows of hooks. The hooks can stick to fur or feathers. Hitchhiker seeds can travel for miles on an animal's body. Then they fall off or are removed. If they fall in a place that is good for growing, the seeds will grow into plants, too!

# What Do Plants Need?

by Rachelle Kreisman

Plants are living things. They depend on water and light to help them grow. But how do plants find what they need? They get it from the world around them!

Plants get water from the soil. They get light from the sun.

Many plants have roots, stems, and leaves. Roots keep a plant attached to the soil and help the plant take in water. Water moves up the plant's stem to the leaves. The stem also supports the plant so it stays up straight.

Leaves take in light energy from the sun. The leaves use water, light energy, and a gas called carbon dioxide to make glucose. Glucose is a kind of sugar. It is food for the plant. Yes, plants make their own food! They use it to grow.



Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Use the article "What Do Plants Need?" to answer questions 1 to 2.**

**1.** What are two things plants depend on to help them grow?

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**2.** What do leaves use to make glucose, or food, for the plant?

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**Use the article "Seeds Need to Move" to answer questions 3 to 4.**

**3.** Why does a seed need to travel in order to become a plant?

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4. Why might a seed fail to grow if it falls too close to its parent plant?

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**Use the articles "Seeds Need to Move" and "What Do Plants Need?" to answer questions 5 to 6.**

5. What are three things that are needed in order for a seed to grow into a grown-up plant? Use both texts to support your answer.

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6. What is one important fact about plant growth that is mentioned in "Seeds Need to Move" but not in "What Do Plants Need?"?

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## **WRITING PROMPTS**

### **Week 1**

Imagine a giant box is delivered to your front doorstep with your name on it. What's inside and what happens when you open it?

# Skip Counting

Complete the patterns below.

0	5			20		30			
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10		30			60				
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35			50			65			
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165				185			200		
-----	--	--	--	-----	--	--	-----	--	--

310		330			360				
-----	--	-----	--	--	-----	--	--	--	--

2.NBT.A.2 Count within 1000; skip count by 2s, 5s, 10s, and 100s.

# My Skip Counting Patterns

1. Complete the number grid. Write numerals from 0 to 100 in rows of ten.
2. Shade in each number you say as you count by tens from 0 to 100 with one color.
3. Next, count by fives from 0 to 100. Shade in each number you say using a different color. When you get to a number that is already shaded draw a box around it.
4. Finally, shade in each number you say as you count by twos from 0 to 100 with a third color. When you get to a number that is already shaded draw a box around it.
5. Describe any patterns that you notice.




A pattern I noticed was \_\_\_\_\_

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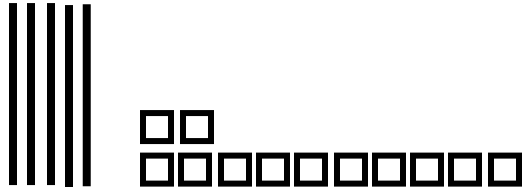
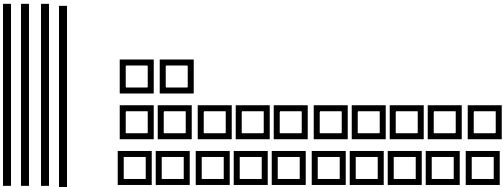
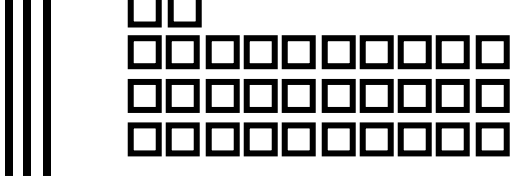
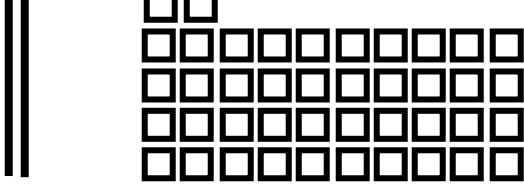
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# Five Ways

1. Choose a 2-digit number greater than 40 and less than 100.
2. Draw Base-10 Blocks to represent your number in FIVE ways.
3. Record your representation in the table with your drawing and an equation.

**Example: 62**

Drawing with Base 10 Blocks	Equation/Number Sentence
	$60 + 2 = 62$
	$50 + 12 = 62$
	$40 + 22 = 62$
	$30 + 32 = 62$
	$20 + 42 = 62$

Drawing with Base 10 Blocks	Equation/Number Sentence

2.NBT.A.1 Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.

Understand the following as special cases:

- a. 100 can be thought of as a bundle of ten tens – called a “hundred.”
- b. The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, nine hundreds (and 0 tens and 0 ones).



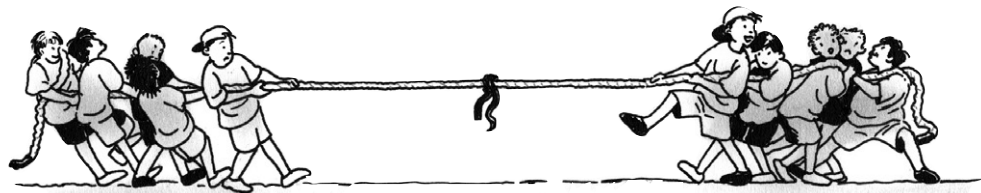
# Be forceful!

## Observations

Things move when you push them and pull them. A push or a pull is a *force* that causes things to go faster or slower, or to stop. When you are very forceful (you give a hard push), you can make a toy car go fast. When you are not so forceful (soft push), the car will go slowly.

## Science activity

Do these things need a push or a pull to make them move? Write push or pull under each picture.



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## Science exploration

! Take extra care - ask an adult to supervise you.

Predict and test what you think will happen if you give a toy car a hard push and then a soft push. Try this with different-sized cars.

Name: \_\_\_\_\_

## Food Labels

**Directions:** Study the food label and answer the questions.

### **Nutrition Facts**

Serving Size 1 cup (236 mL)

#### **Amount Per Serving**

**Calories** 130 Calories from Fat 45

**% Daily Values\***

**Total Fat** 5g **8%**

Saturated Fat 3g **15%**

Trans Fat 0g

**Cholesterol** 20mg **7%**

**Sodium** 125mg **5%**

**Total Carbohydrate** 12g **4%**

Dietary Fiber 0g **0%**

Sugars 12g

**Protein** 8g

Vitamin A 10% • Vitamin C 4%

Calcium 30% • Iron 0% • Vitamin D 25%

\*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs:

	Calories:	2,000	2,500
Total Fat	Less than	65g	80g
Sat Fat	Less than	20g	25g
Cholesterol	Less than	300mg	300mg
Sodium	Less than	2,400mg	2,400mg
Total Carbohydrate		300g	375g
Dietary Fiber		25g	30g

FAT REDUCED 8g TO 5g AND CALORIES REDUCED 150 TO 130.  
INGREDIENTS: GRADE A PASTEURIZED REDUCED FAT MILK,  
VITAMIN A PALMITATE AND VITAMIN D3.

1. What is the serving size of this product?

2. How many calories per serving size are in this product?

3. What percent of daily value is the sodium?

4. In 2 servings, how much Vitamin A is there?

5. Based on this food label, would you consider this product to be healthy? Why or why not?

Look at 6 different products' food labels. Find three that are healthy and three that are less healthy. Record the products below and their sodium levels.

**healthy**

**less healthy**



# FIRE SAFETY WORD SEARCH

Circle the words that you find in the word search. (Hint: Cross out the list words as you find them.)

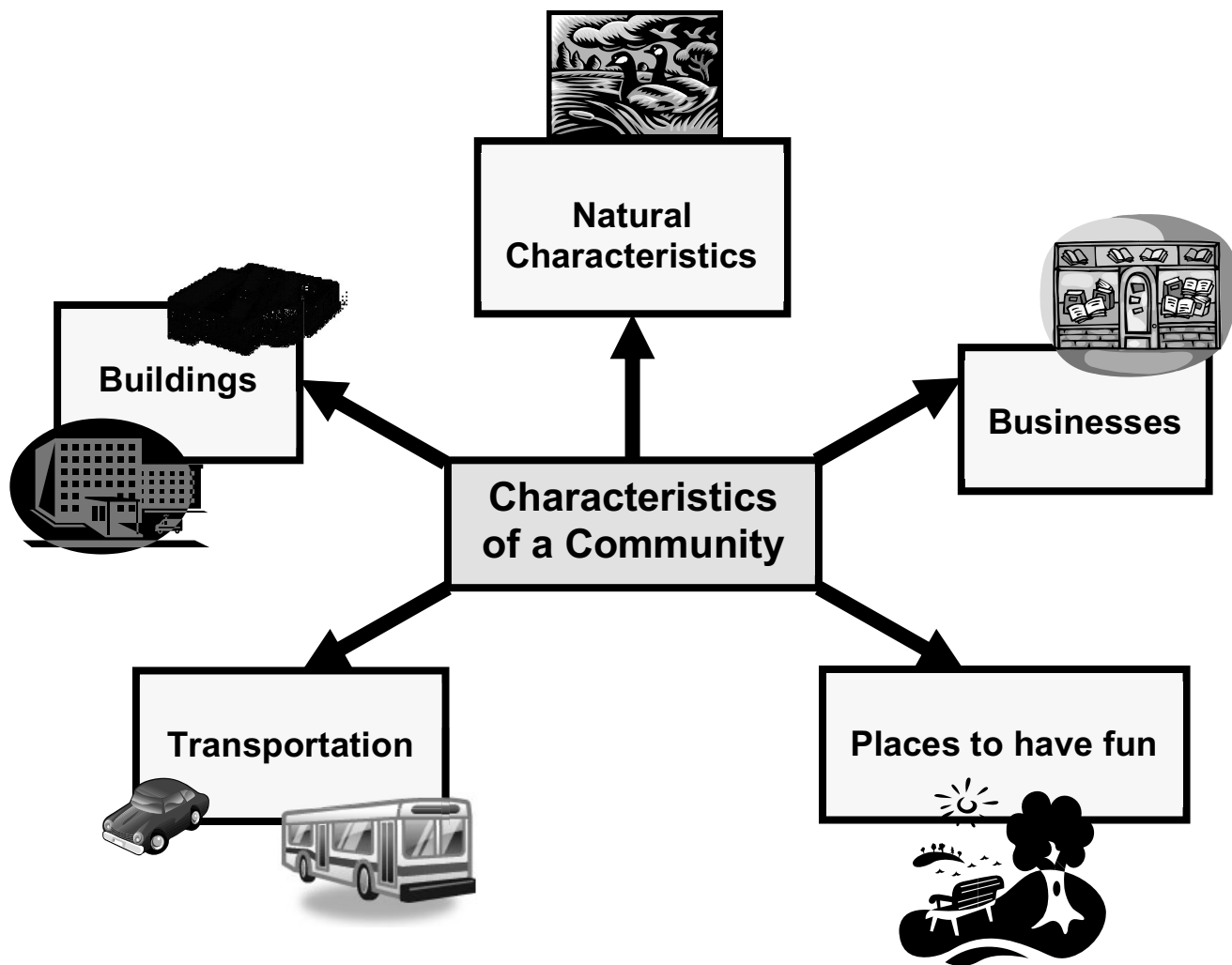
ALARM	ESCAPE	MATCH	PLAN	LOG
SAFETY	STOP	DETECTOR	TEST	MAP
FIRE	DROP	FIREFIGHTER	OUTLET	
SMOKE	ROLL	FIRETRUCK	CORDS	



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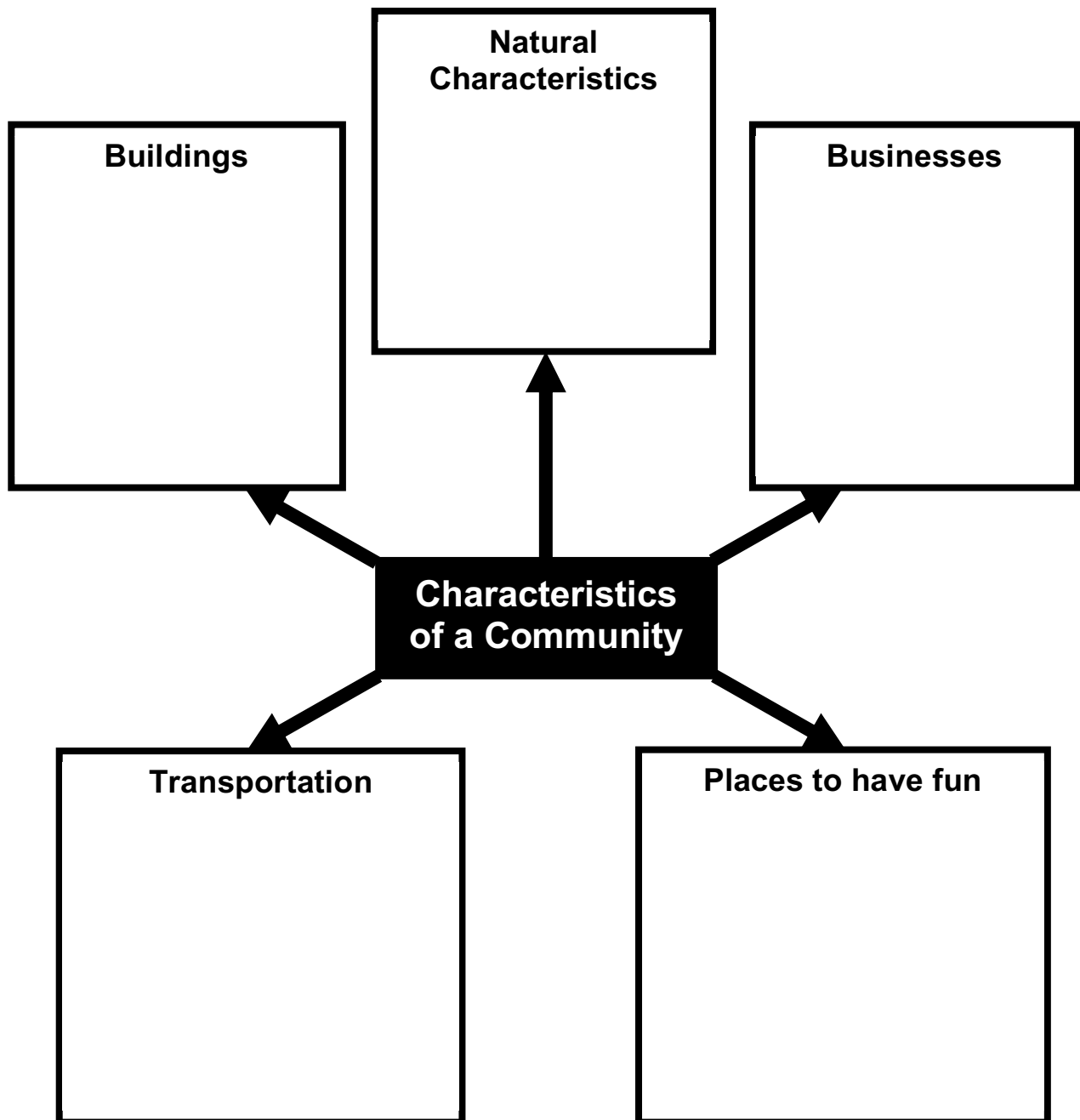
Find everything imaginable at Crayola.com

## Graphic Organizer

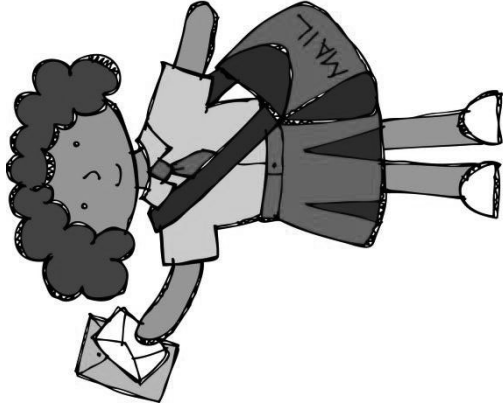


## **Learning About Communities from a Book**

<b>From Pictures</b>	<b>From Words</b>
For Examples: Trains, Cars, Trees	For Example: River, Buses, Schools



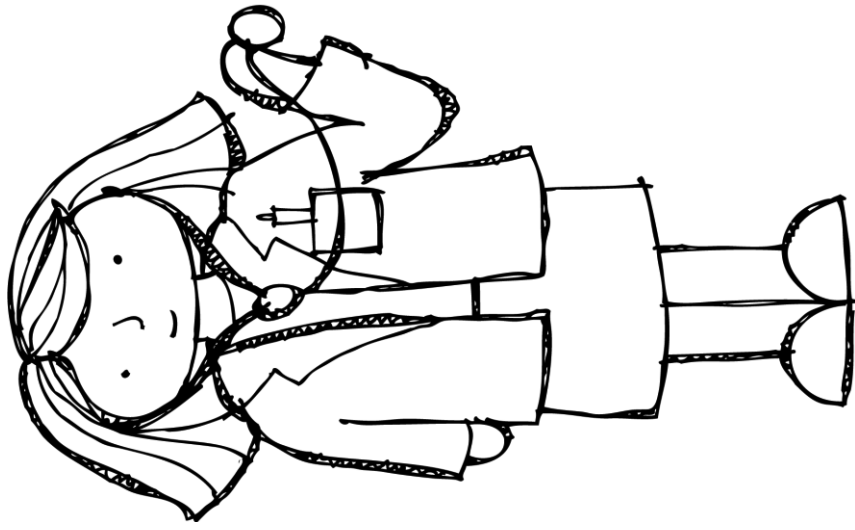
# Who Am I?



## COMMUNITY HELPERS mini-book

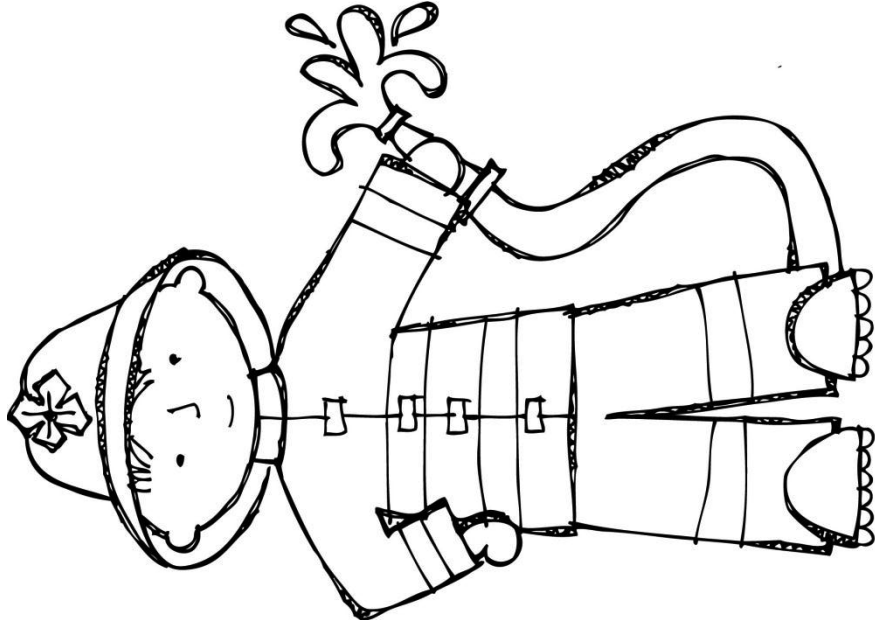
NAME \_\_\_\_\_

CIPDIT BY KPM DOODIES



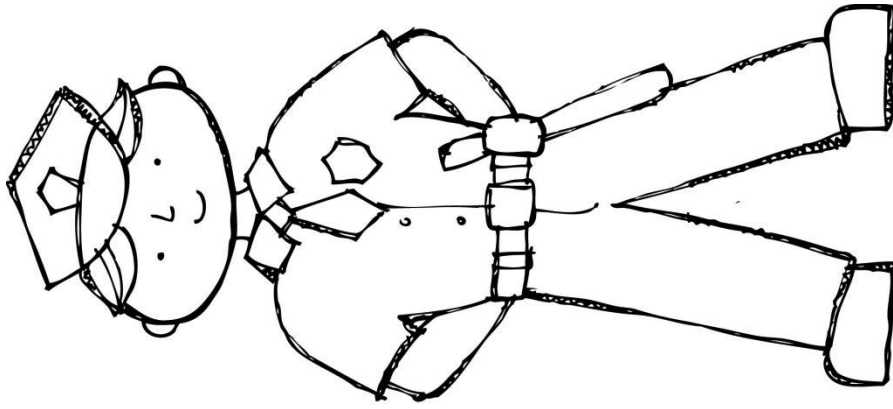
I help people feel better  
when they are sick. I am

a \_ \_ \_ \_ \_.



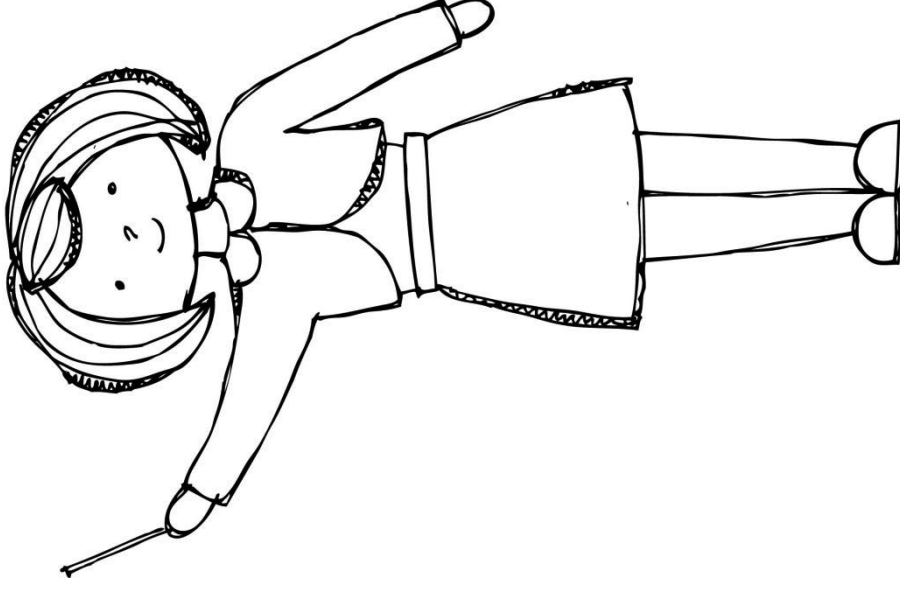
I help put out fires and keep  
people safe. I am a

\_ \_ \_ \_ \_.



I help keep people safe and make  
sure that they follow laws. I am a

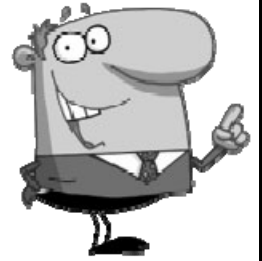
-----.



I help children learn and keep  
them safe at school. I am a

-----.

Date \_\_\_\_\_



Sometimes we wake up wishing we didn't have to go to school-that we could do anything we wanted. If you could spend tomorrow doing whatever you wanted to do and could go wherever you wanted to go, how would you spend the day?

[illegible]



Name \_\_\_\_\_

Date \_\_\_\_\_

## **I Am Proud...**

We all do things we should be proud of. What are some things you've done that you are proud of?



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