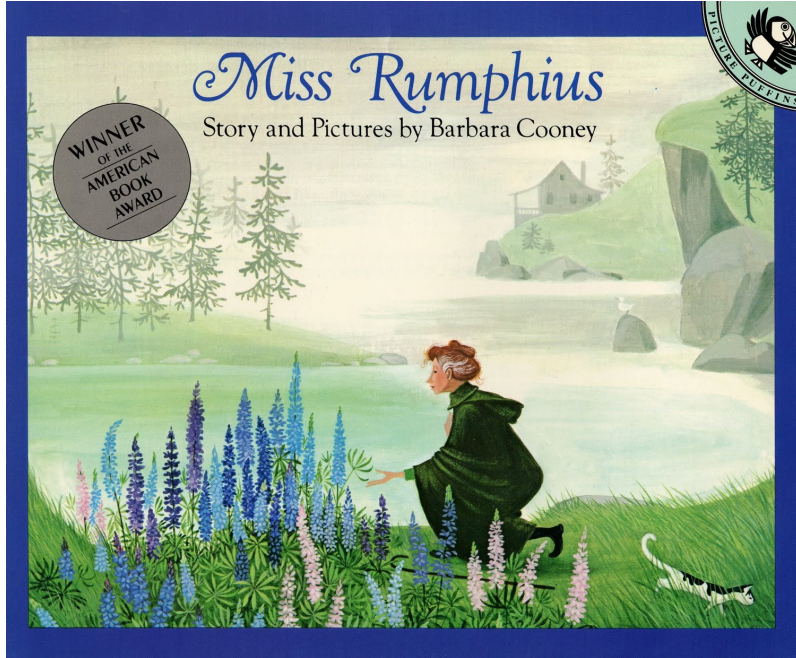
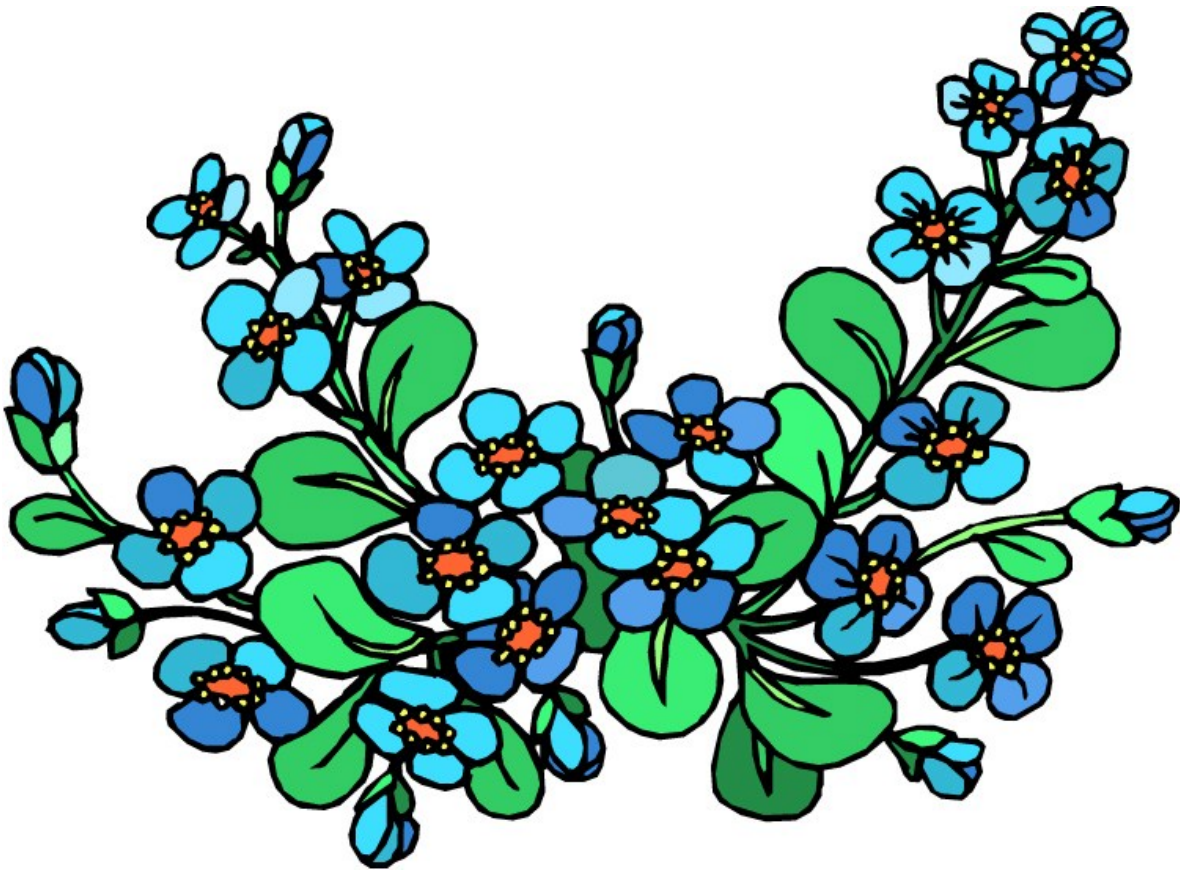


# Miss Rumphius ♡ Notebook



# Making the World Beautiful

Alice's grandfather told her that there was a third thing she must do. "You must do something to make the world more beautiful." Discuss this with your student. Make a list of ways your student can make the world more beautiful, and help him complete one of those tasks this week.



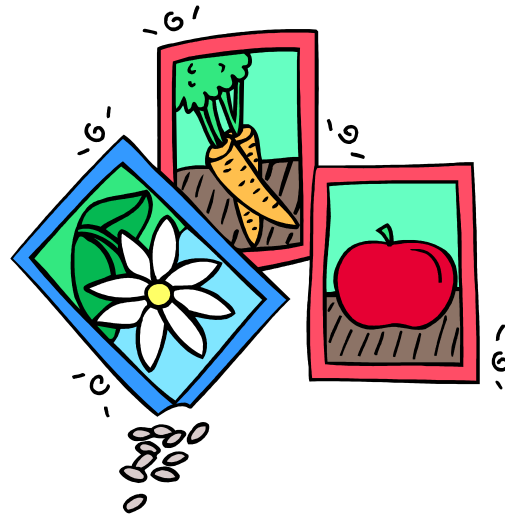


making the  
world more

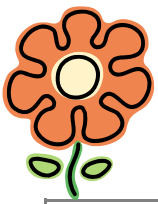
Beautiful















# Plant Observation Chart



Plant two seeds (of the same kind). Place one in the sunlight (window sill or outside if the weather is right); place the other in a dark spot (like a closet or room that doesn't have a window). Check each plant every few days (make sure to keep them watered). Record your observations on the chart; write the date and draw what you see happening in your plant containers.



# MY PLANT OBSERVATION CHART

Date	Plant in the Light	Plant in the Dark
		
		
		
		
		
		



# seeds on the move

Miss Rumphius was too sick one year to plant lupines, but they grew anyway! Does your student remember how this happened? She says that the birds and wind must've helped her out. Discuss how birds "sow" seeds.

## Animals

- birds help some fruits like the cherry by eating the fruit around the seed
- birds also swallow berries whole and the seeds pass through their digestive tracts
- other animals with fur carry seeds that stick to them; as the animal travels, so does the seed (like a hitch hiker!)
- seeds even travel in the mud stuck to animals' feet
- some animals, like raccoons, carry the fruit of trees away from the tree; when the animal is finished with the fruit, the seeds get planted in a new area

## Wind

- when the wind blows, the seeds move!
- the wind especially helps lightweight seeds travel

## Humans

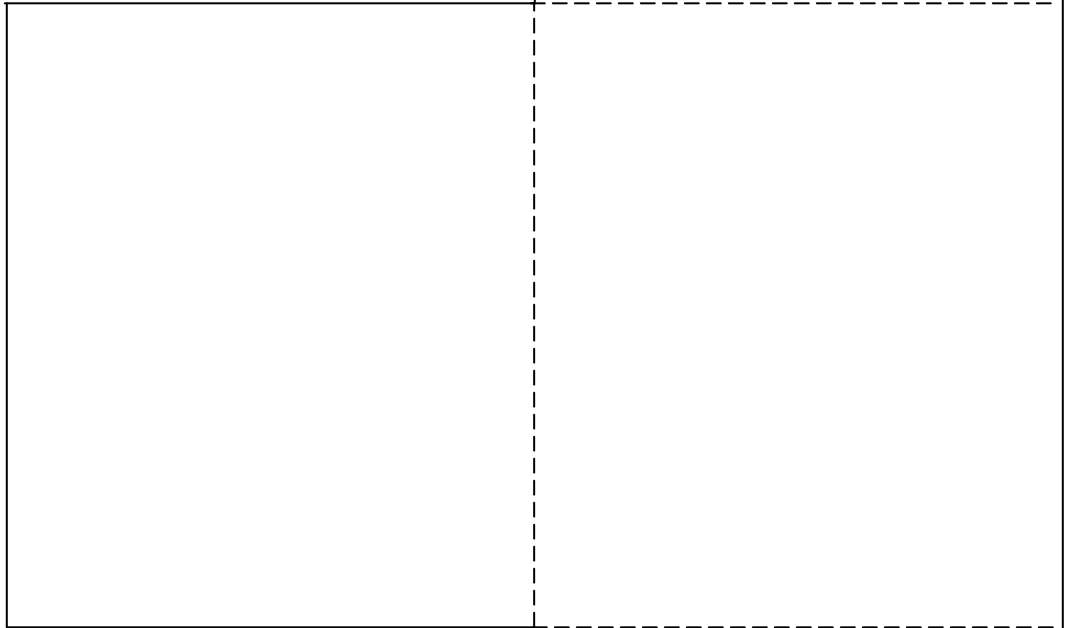
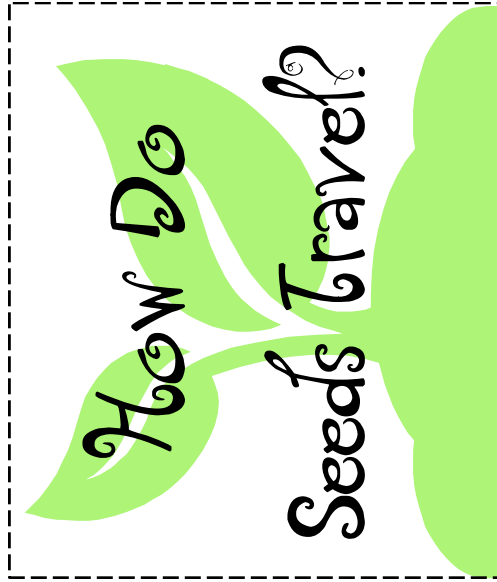
- of course, humans help seeds travel because they can sow them wherever they want them to grow

## Extra Activity-- Fuzzy Socks

This will not only help your student understand how seeds stick to animal fur and travel, it will also give you an opportunity for seed identification and planting.

Put an old pair of fuzzy socks on over your child's shoes and go for a nature walk in a grassy or woody area where there are a lot of plants growing. When you get home, examine the different hitch-hiking seeds that the stuck to the socks, draw pictures of the different seeds (for your nature journal, lapbook, or notebook), and try to identify them. You can also sort and plant them in different pots according to type, then observe what plants grow.





You are looking at the inside of the book. Cut out as one piece. Fold left side in. Fold right side in. Fold top down. Paste cover piece on top. Write the various ways seeds travel inside the book (or use the images on the previous page to paste inside the book).



# What Comes from Seeds?

Can your student match the seeds to their products?

Use the mini books on the next several pages to do this.

Try taking a nature walk and look for seeds (pinecones, acorns, nuts, flower seeds, etc.)! Look them up in a nature reference book when you get home. If the weather isn't cooperating, try an in-home scavenger hunt for seeds. How many can your student find? (dry beans, grain of rice, peas, sunflower seeds; you could even eat a piece of fruit-- orange, grapefruit, peach, etc. to find more seeds).

**Directions:** Cut book out as one piece. Fold flaps in to the center to meet.

Apple

Seed

Sunflower

Seed

Pumpkin

Seed

Lupine

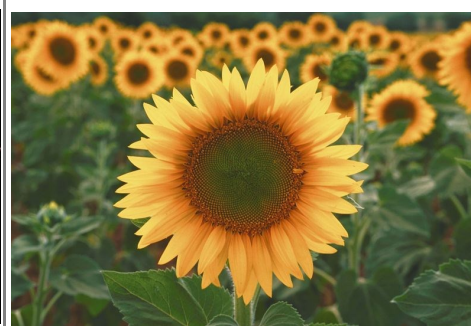
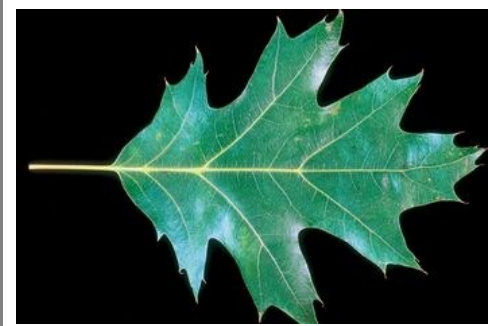
Seed

Oak Tree

Seed

Maple Tree

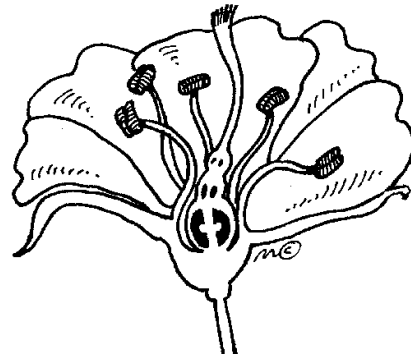
Seed



# Preserve a Fresh Flower

## Supplies Needed:

a fresh flower  
a box that can close  
tape  
borax



## Directions:

Pour a layer of borax into your box. place the flower in the box and cover it with the rest of the borax. Close the box and tape it shut. In two weeks, open it to remove your dried preserved flower.

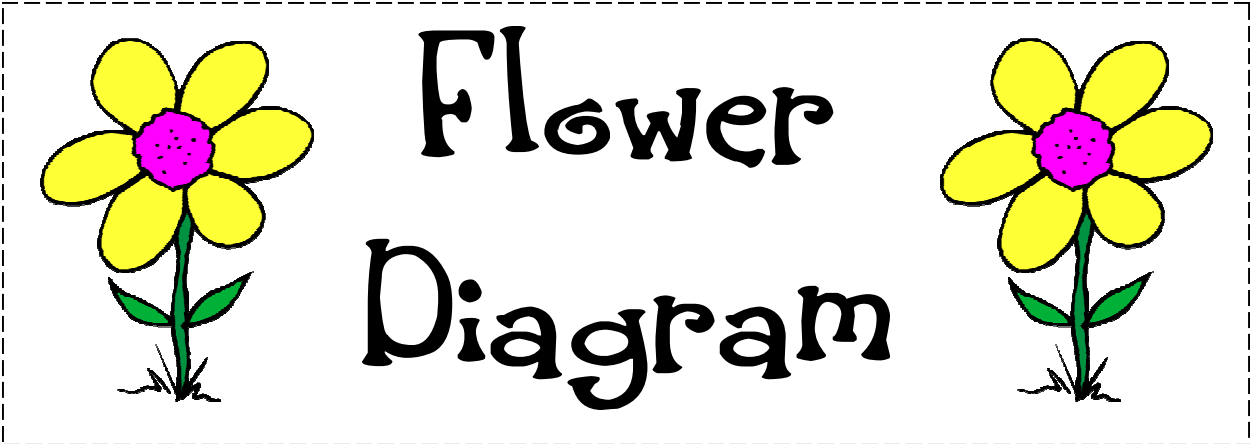
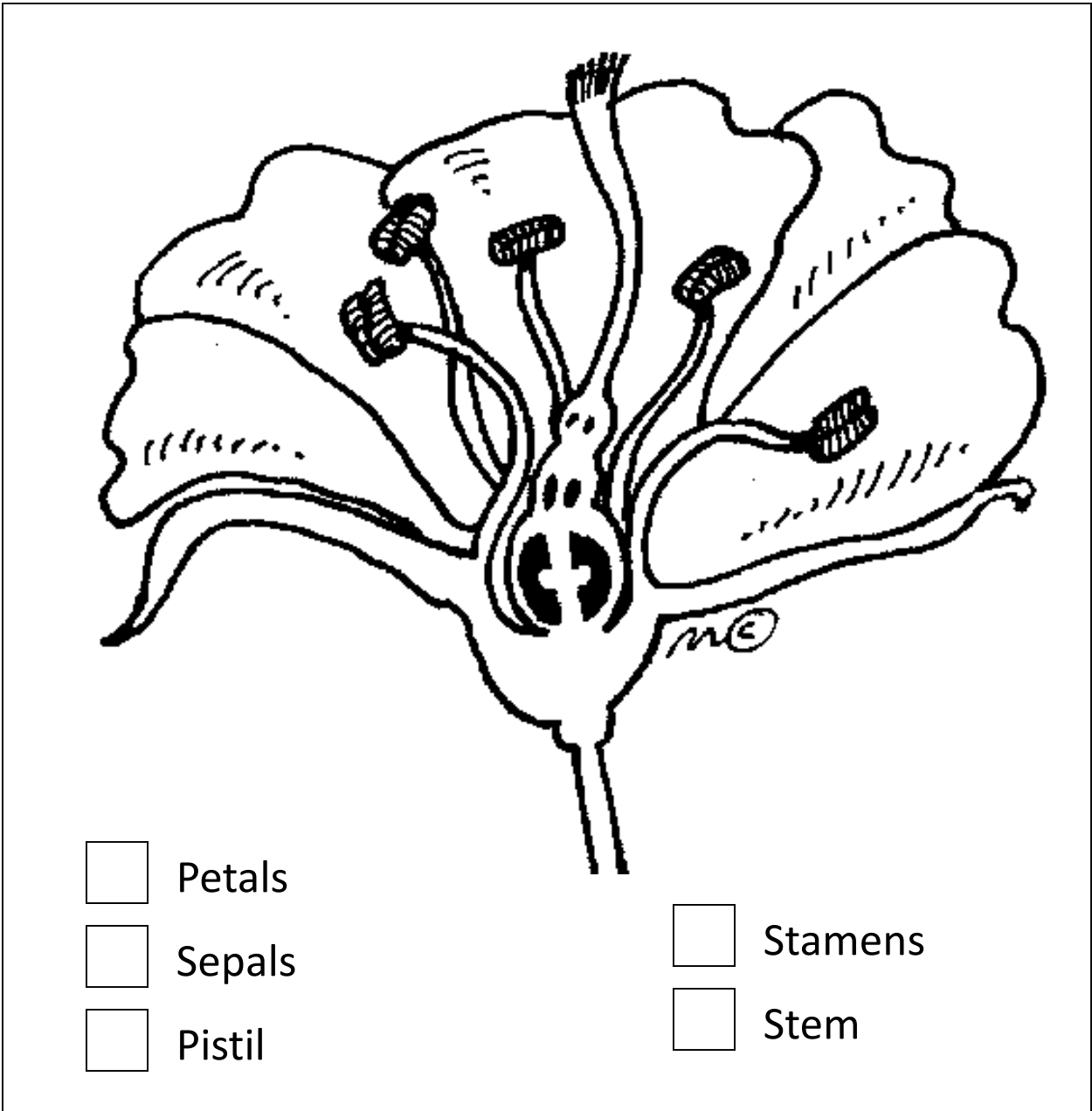
# Germination Activity

## Supplies:

three Ziploc bags  
Three paper towels  
three or more turnip seeds (or beans seeds)  
tape  
a ruler (that read centimeters)



Wet three paper towels with water and place one inside each of the plastic bags. Place a seed in each plastic bag. If you have more than three seeds, you can put more than one seed in each bag. Zip each bag closed once you have put the seed or seeds in it. Tape the first bag to a window that receives sunlight. Make sure you seed faces the window. Place the second bag in your refrigerator. Place the third bag in a dark closet that no one usually opens never gets light. Guess which will germinate first. Record for 12 days what happens. Each day, once sprouted, measure how much the seed has grown for those 12 days.

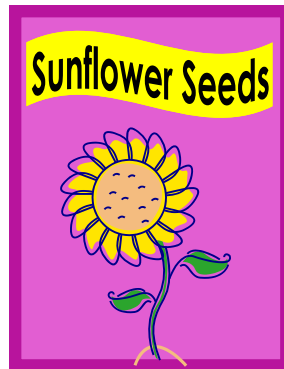


Color each box a different color. Color the corresponding part of the plant the same color.

# Seeds for Sale!



**\$1.25 per package**



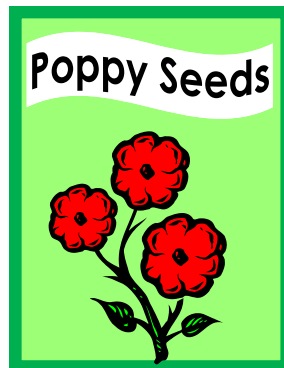
**\$1.10 per package**



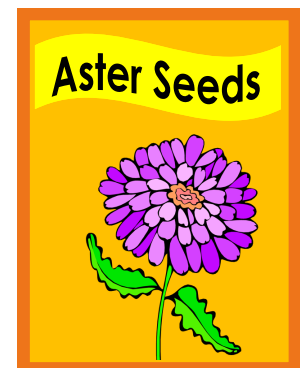
**\$1.50 per package**



**\$2.15 per package**



**\$1.75 per package**



**\$1.30 per package**

Use the flowers on pages 18-19 to plan your flower garden. Cut and paste the flowers to the garden squares.

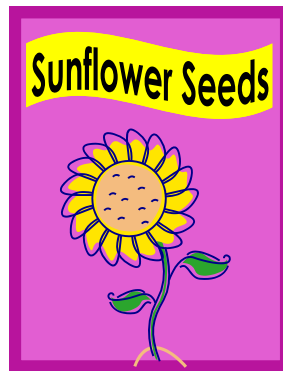
You will need to purchase one seed packet for each plot (square) that you planted with that kind of flower. How much will it cost you to plant your garden? Add up the total cost and write it below.

Total spent on flower seeds for my garden

# Seeds for Sale!



**\$1 per package**



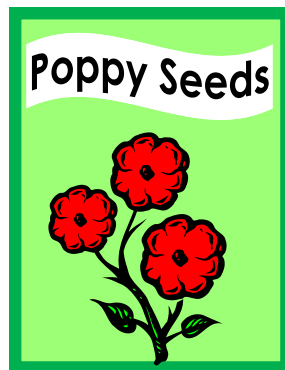
**\$1 per package**



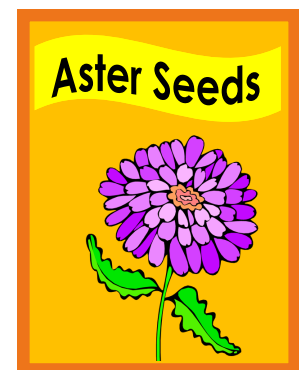
**\$1 per package**



**\$2 per package**



**\$2 per package**



**\$2 per package**

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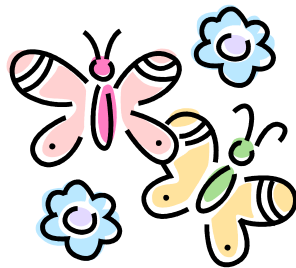
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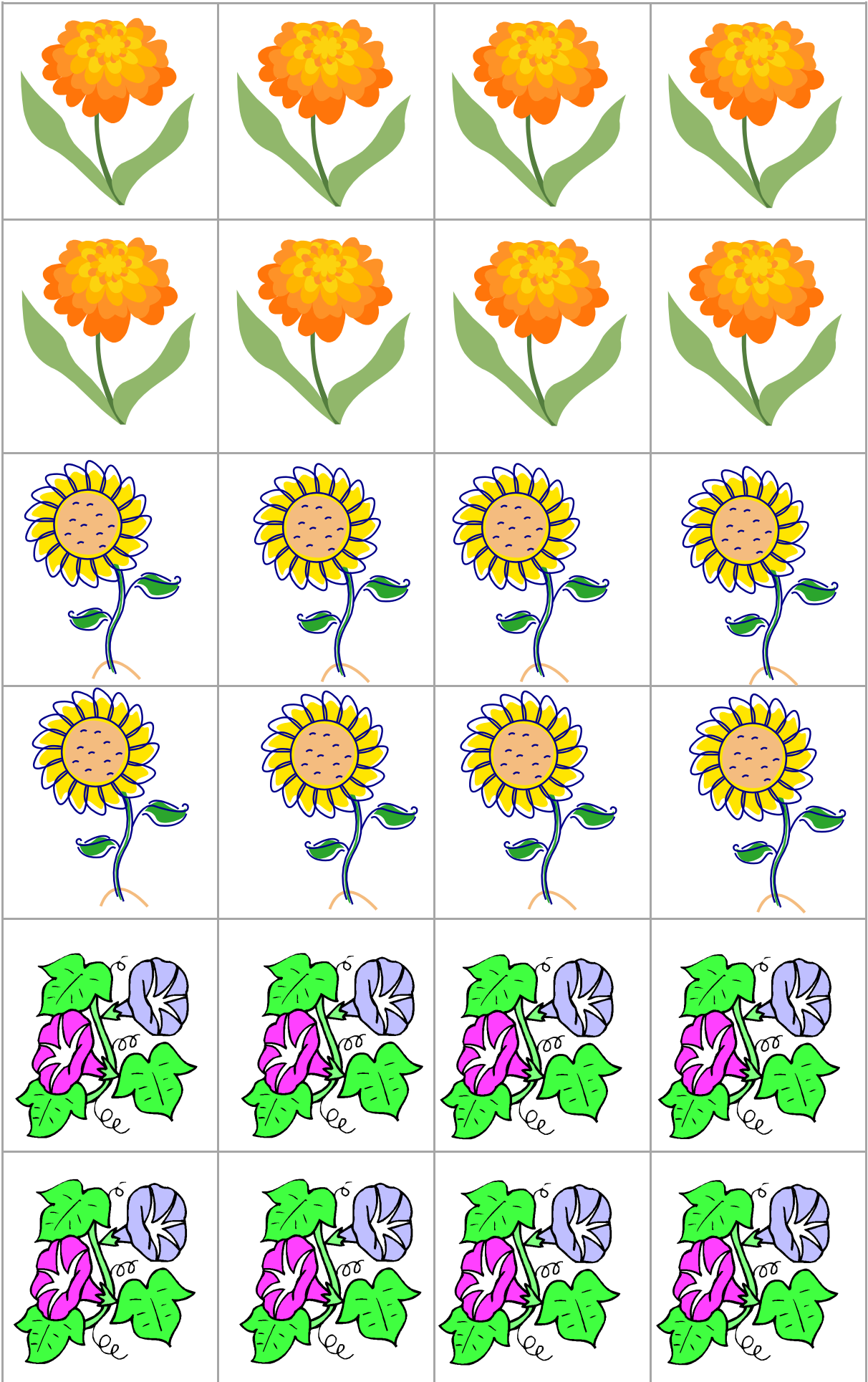


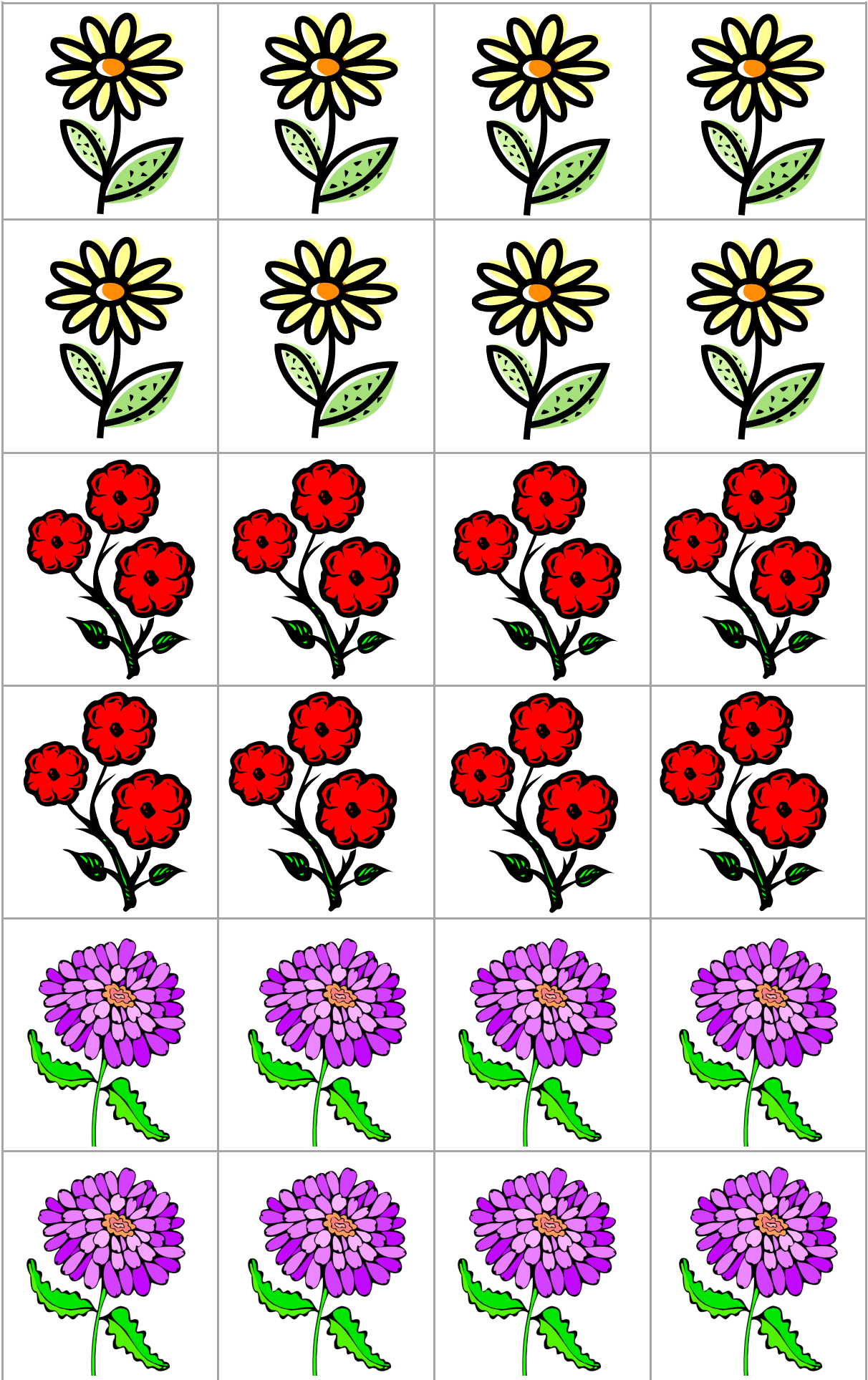
# How My Garden Grows





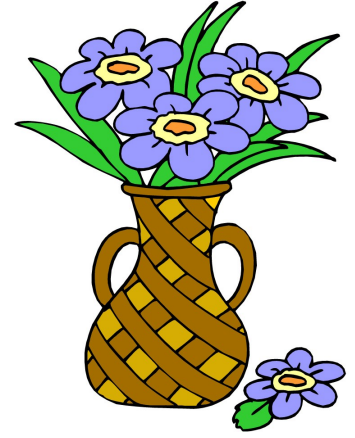






# Miss Rumphius

## Math Story Problems



Alice is nine years old. Grandfather is seventy years old? How much older is Grandfather than Alice?

There are eight ships in the harbor. Four more ships come to the harbor. Now, how many ships are there?

Alice eats porridge five mornings each week. How many mornings does she not eat porridge?

Miss Rumphius had thirty-five library books to check in . If she checks in fifteen books, how many will be left?

Four girls wanted books about flowers, six girls wanted books about insects, and one girl wanted a book on dress-making. How many girls wanted books about nature?

Miss Rumphius saw six friends in the conservatory. Two friends had to leave. Now how many friends are in the conservatory?

The Bapa Raja caught twelve fish. The Bapa Raja's wife cooked four fish. How many fish are there left to eat later?

Miss Rumphius picked up eight beautiful shells. The Bapa Raja's wife gave her seven more. Then some children gave her a small collection of shells to take home. Miss Rumphius has twenty shells. How many were given to her by the children?

Miss Rumphius was watching twelve jumping kangaroos, but four jumped away. How many were left?

Six girls came to visit Miss Rumphius. Then, some boys came to visit. If there are ten children at her house, how many are boys?

# Faraway Places I'd Like to Visit!

Glue this tab to the back of the first section of the next strip.

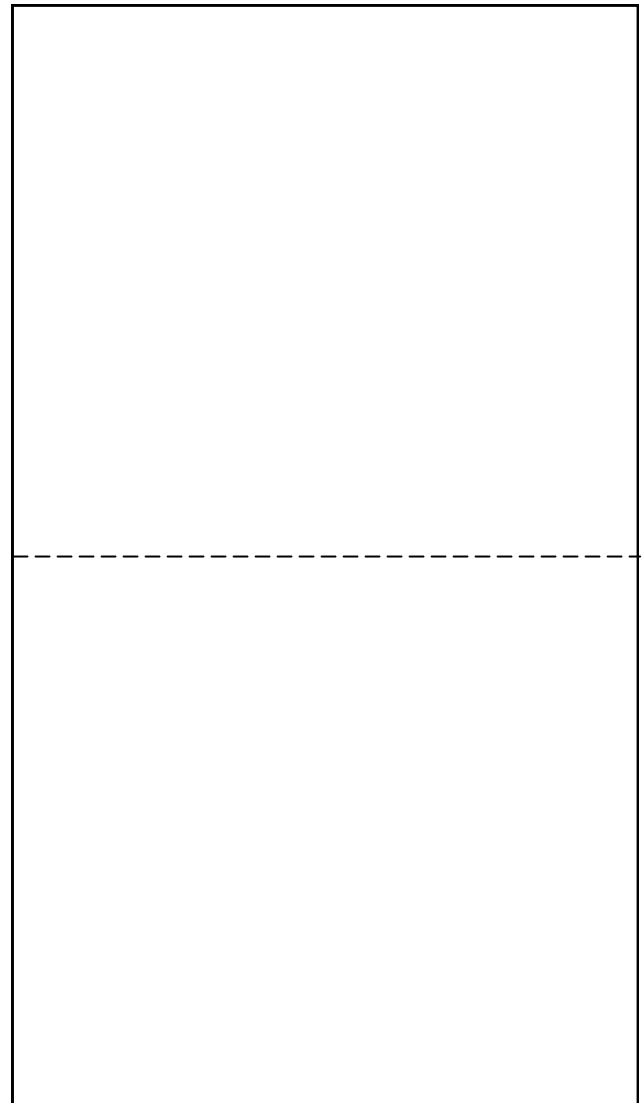
**Miss Rumphius is a world traveler!**

What places would your student like to visit? Look at a globe together, research places around the world, and have your student draw four places to visit on the pages below.

**Directions:** Cut each strip out as one piece. Glue tab as indicated. Fold like an accordion. Glue back of last piece to your lapbook. Glue one resource picture to each piece.

[www.homeschoolshare.com](http://www.homeschoolshare.com)

Faraway  
Places I'd Like  
to Visit!



# Miss Rumphius

All that summer Miss Rumphius, her pockets full of seeds, wandered over fields and headlands, sowing lupines.

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All that summer

Miss Rumphius, her

pockets full of

seeds, wandered

over fields and

headlands, sowing

lupines.



# Lupines

