

Week 5

P

Preschool

Independent Study Packet

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**5 MORE Days of
Independent Activities in
Reading, Writing, Math,
and Other Fun Stuff**

**ANSWER KEYS
INCLUDED**

Helpful Hints for Students and Families

Materials You Will Need:

- Pencils
- Extra paper or a notebook/journal (everything can go in one place)
- Colored pencils, markers, or crayons for some of the activities







Directions & Tips



- You may complete the activities in any order.
- Check off each of the activities when you finish them on the menu.
- Make sure an adult signs the activity menu page before you bring it back to school.

Activity Menu

	Day 1	Day 2	Day 3	Day 4	Day 5
Reading 	Find the Letter W: Whether the Weather	Story Flip Book	Little Red Riding Hood	The Color Red	Space Explorers: Christina Koch, Jessica Meir, and ... YOU?
Writing 	My Timeline	My Address	Planning for Words: My Family	Write and Draw Sight Words: Hot	My Phone Number
Science 	Have Fun with "Weird" Water	Dinosaur Silhouette	Make Waves in a Bottle	Cloud Observation	Make a Parachute Toy
Math 	Find the Hidden Numbers	Preschool Math: All About the Number 5	Picture Categorization	One More	Color by Shape: Rocket in Space
Other Fun Stuff	Things I Like About Me	Make Stained Glass Crayons	Little Red Riding Hood Finger Puppets	Fish Patterns	Exploring Emotions

Parent/Guardian Signature: _____

Day 1



Reading	Practice reading and finding all of the W's in this nursery rhyme!
Writing	Create a timeline of your life using drawings and words.
Science	Learn about water using this fun experiment!
Math	Can you find all of the hidden numbers in the picture?
Other Fun Stuff	Create a collage all about you!



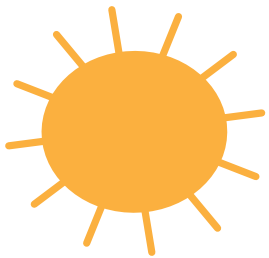


Read the poem with a parent!

Circle each W that you see.



Whether the weather be fine,
Or whether the weather be not,
Whether the weather be cold,
Or whether the weather be hot,
We'll weather the weather
Whatever the weather,
Whether we like it or not!



How many W's did you find?



Name: _____

Date: _____

Timeline of Me



When I was 1 year old, this is what I looked like...



My birthday is...

I learned how to...

Name: _____

Date: _____

Timeline of Me



When I was 2 years old, this is what I looked like...



My favorite toy was...

I learned how to...

Name: _____

Date: _____

Timeline of Me



When I was 3 years old, this is what I looked like...



My favorite food was...

I learned how to...

Name: _____

Date: _____

Timeline of Me



When I was 4 years old, this is what I looked like...

A large, empty rectangular box with a thick red border, intended for a child to draw a picture of themselves at age 4.

My favorite color was...

I learned how to...

Name: _____

Date: _____

Timeline of Me



I am 5 years old, this is what I look like...



My favorite book is...

I want to learn how to...

Have Fun With "Weird" Water

It doesn't take an official science observation for any parent to know that kids almost always love to play with water. In this experiment, your kindergartener has your permission to make spills, as they play with water to explore surface tension. Encourage your child to work like a scientist as they make predictions, conduct an experiment, and discuss the results. This simple activity is not only interesting, but it also helps your kindergartener build a foundation of basic scientific principles and procedures.

What You Need:

- Clear plastic cup
- Medicine dropper
- Pitcher of water
- Blank paper for recording
- Pencil or marker
- Clean towel

What You Do:

1. Place the cup on a flat surface. Fill the cup to the very top with water.
2. Help your child to make a recording sheet with the piece of blank paper. At the top of the piece of paper, help your child make a heading for the page: "How many drops of water will a full cup of water hold?" Draw a two-column table on the piece of paper. Label one column "My Prediction," and label the other column "The Result."
3. Ask your child to describe the cup of water. Ask them if they think the cup can hold more water. Then ask them to make a prediction (guess) about how many drops of water it will take to make the cup overflow. Allow your child to record their prediction.
4. Begin the experiment. Give your child a medicine dropper and allow them to add water drops to the full cup of water. Make sure that your child counts EACH drop they add to the cup. You may want to use paper and pencil to make tally marks to keep track of each drop of water added to the cup. Encourage your child to watch the water "stretch" as they add drops of water to the already full cup.
5. How many drops of water did it take to make the cup overflow? Allow your child to record the number of drops of water it took to make the cup of water overflow on the recording sheet in the result column.
6. Once the experiment is over, discuss the results with your child.
7. Try exploring the same concept by adding drops of water to the head of a penny. Observe to see if your child uses the experience with the cup of water in making a prediction about the number of drops of water a penny will hold. (Your child may have predicted a small number for the first experiment, but they may use what they learned from the first experiment to make a prediction about the number of drops of water a penny can hold.)

What's Going On?

Water and other liquids have a thin film that covers their surface. Forces within the water (surface tension) pull the water molecules closer together and make the water seem to have a skin. The "skin" created by surface tension is able to stretch so that water poured into a cup will look as though it is stretching beyond the top of the cup.



Name: _____

Date: _____

Find the Hidden Numbers

Find and circle: 1 2 3 4 5 6 7 8 9 10



Things I Like About Me

What are all of the things you love about you? In this activity, your child will have an opportunity to answer this question and will design a poster that displays their talents, what they like, and images or words that describe themselves. This activity is a fun and creative way to build social emotional skills around self-awareness, confidence, and creating an accurate self image.

What You Need:

- A picture of your child
- Magazines or printed pictures
- Markers or colored pencils
- 8.5" x 11" paper (or poster board)



What You Do:

1. Ask your child, "What are all the things you like about yourself? What makes you unique?"
2. Explain that they will be designing a poster that shows all the things they love about themselves. Their poster should include their interests, talents, and images and words that describe them.
3. Have your child paste a picture of him or herself in the middle of the poster.
4. Ask your child to cut out pictures of things that make them special and unique, such as interests, talents, and qualities.
5. Paste the images around their picture.
6. Have them color and draw around their images.
7. Hang your child's completed poster somewhere as a reminder of all the things that make them great!

Day 2

Reading	Put together the story pages and then tell the story in your own words.
Writing	Practice writing your home address.
Science	Create your very own dinosaur silhouette.
Math	Learn all about the number 5!
Other Fun Stuff	Use materials around your house to create a stained glass masterpiece!



My Story Flipbook

1. Cut each section along the dotted lines. (Do not cut through gray area)
2. After cutting out all three pages, staple together in the gray area.
3. Fold each section back using the red line as a guide.
4. Each section should flip separate from the others.
5. Now, you can choose which order the story goes in.

beginning



middle

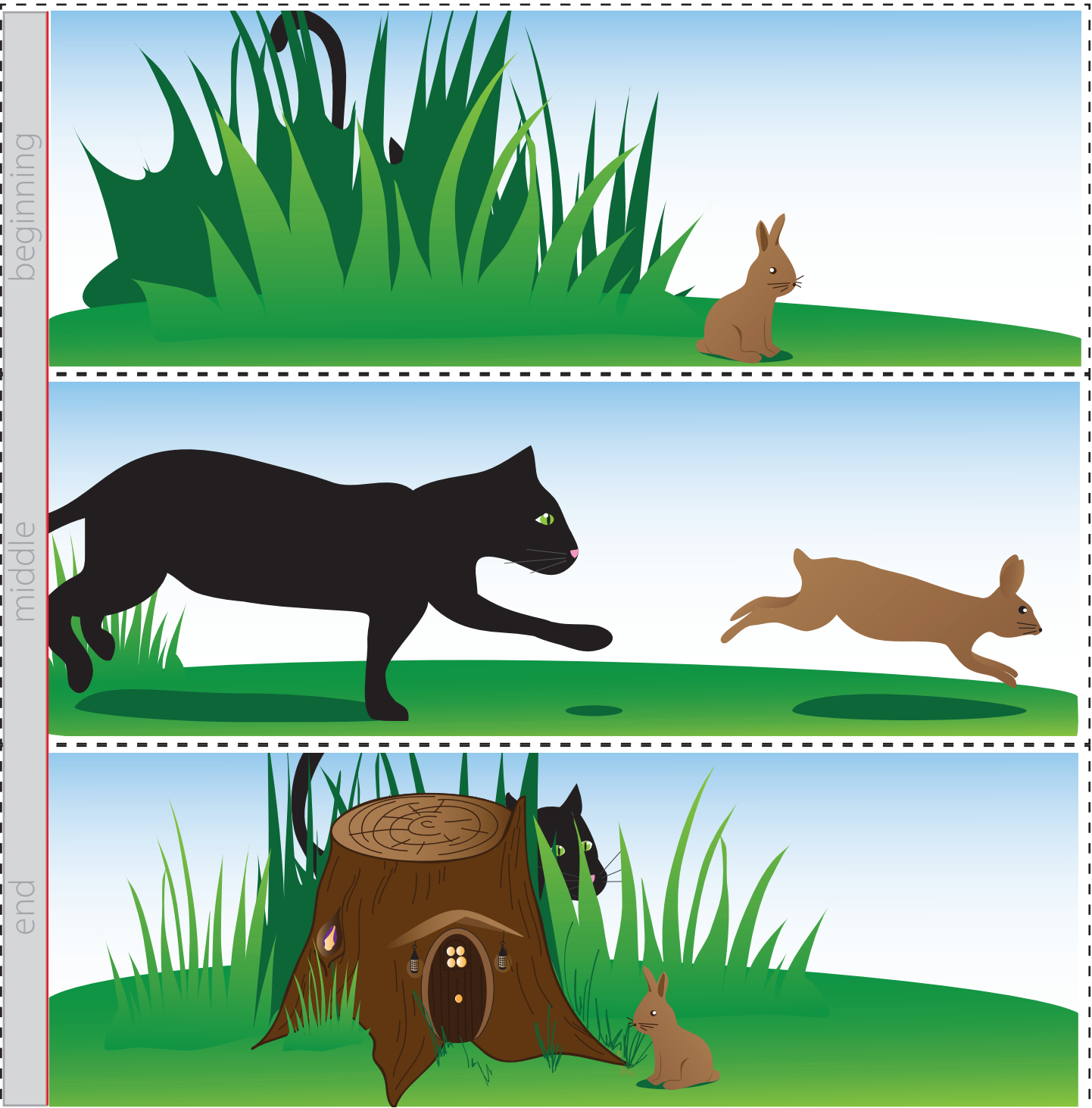


end



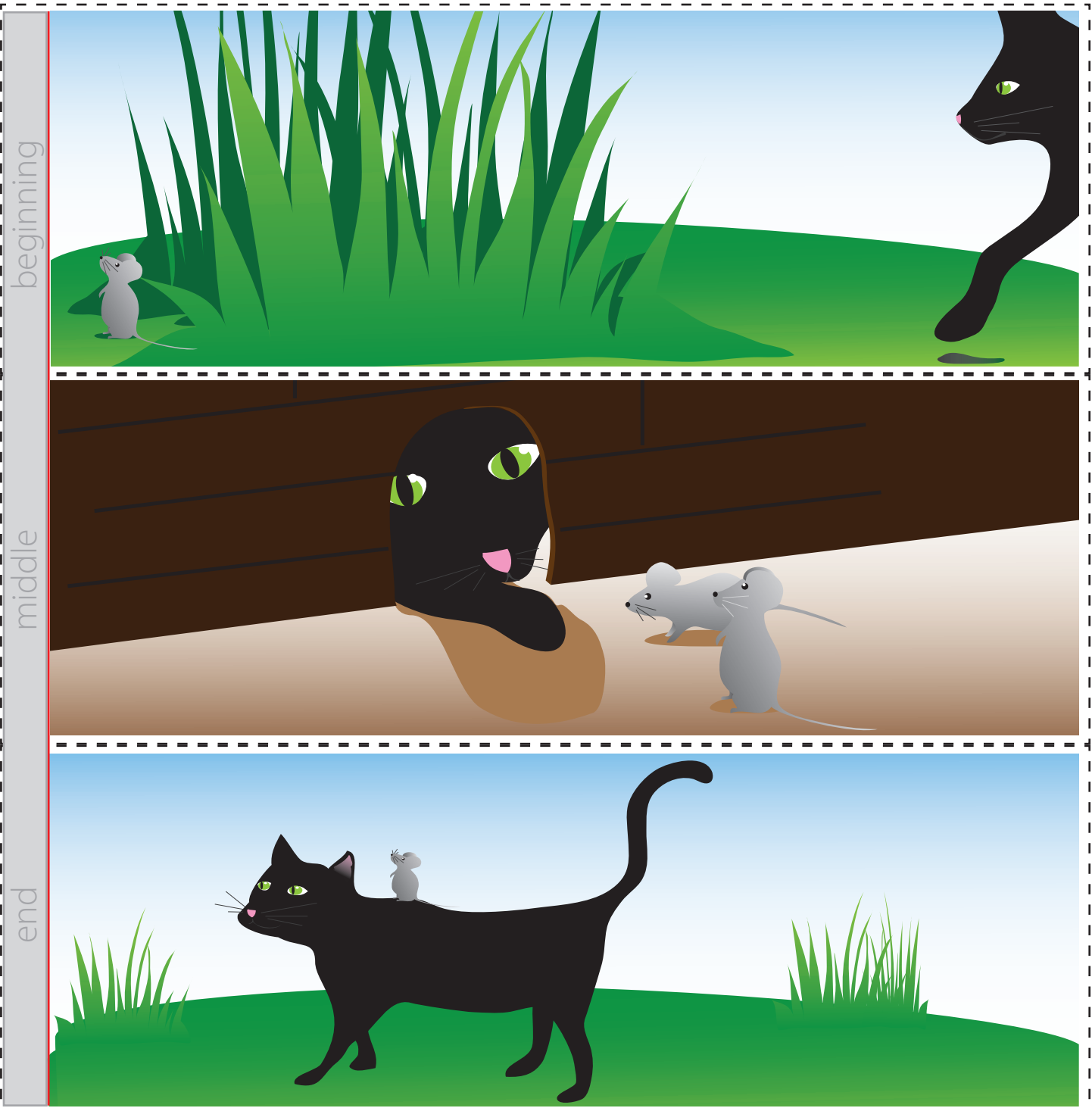
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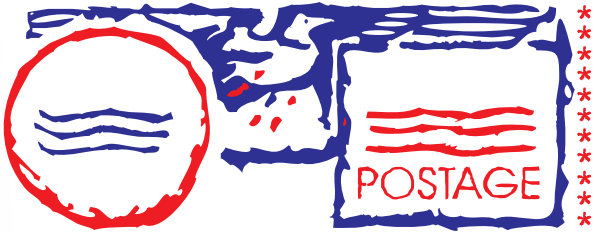


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WHAT'S YOUR ADDRESS?

A large envelope template with a red and blue striped border. Inside the envelope, there are three horizontal lines for writing an address.

**CUT THE POSTAGE
STAMP AND PLACE
IT IN THE CORRECT
CORNER!**

Dinosaur Silhouette

Travel back to the Jurassic age with this creative dinosaur activity that would make a great addition to any wall or fridge. The negative space silhouette looks cool and mysterious in front of a beautiful backdrop of ancient plants and landforms. This is a great time to research the types of environments dinosaurs lived in to add to the painting. A dinosaur enthusiast will want to make one for every different kind of dinosaur!

What You Need:

- Sheet of paper
- Tempera paints
- Black construction paper
- Glue
- Scissors

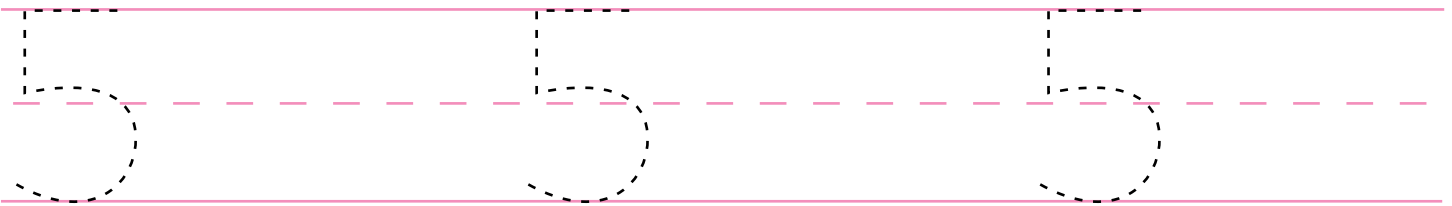
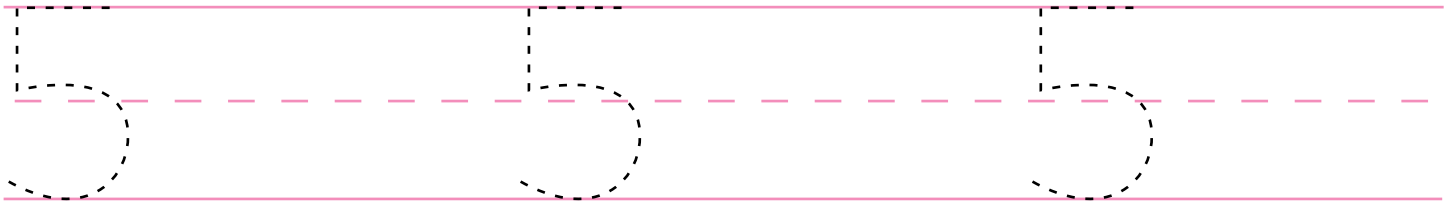
What You Do:

1. Have your child create the colorful background of the dinosaur's habitat by filling it with large green plants and trees. This is a great time to discuss how different the Earth looked millions of years ago.
2. Set the background aside to dry.
3. Have your child draw a dinosaur on black construction paper. For a stegosaurus, start with a semi-circle shape. Add spines to the top, a long neck, head, tail and legs.
4. Help your child cut out the dinosaur from the black construction paper and glue it to the background. Is this dinosaur a plant-eater or meat-eater?

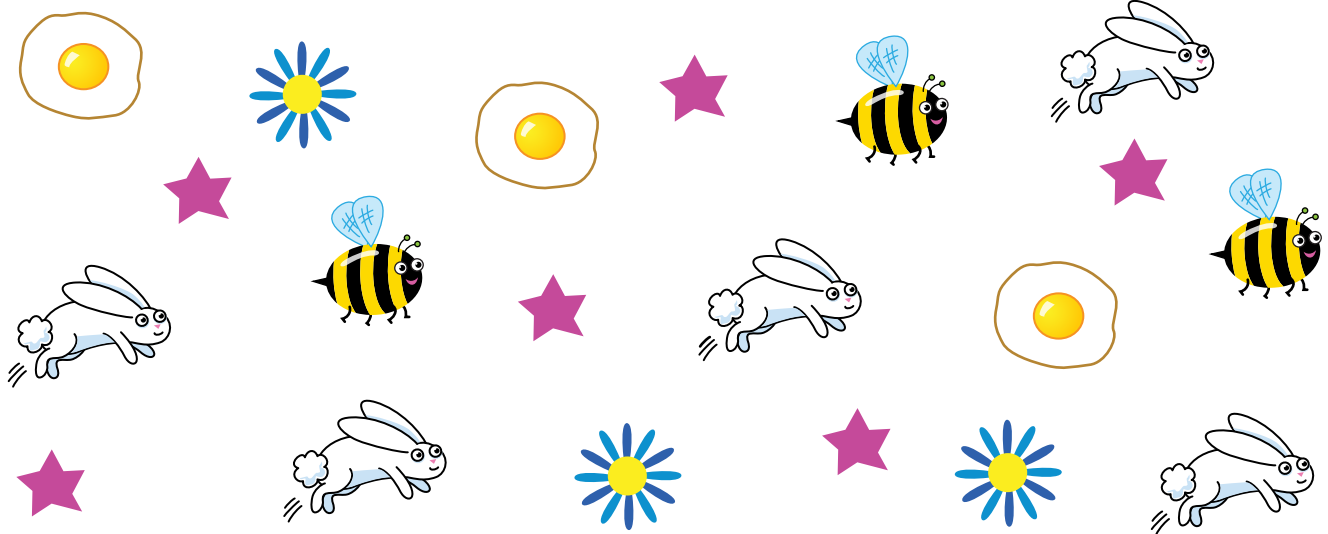




Trace the dotted lines on the number **5**. Then write your own **5** next to it! Repeat.



There are **5** rabbits below. Can you find them all?



Color in the fun art below. There is a number **5** in each drawing. Can you find them all?



Make Stained Glass Crayons

Is your child's art box a jumble of crayon stubs and broken bits? Don't throw them out! You can use crayon scraps to make beautiful "stained glass" window hangings and even more crayons.

What You Need:

- Waxed paper
- Crayon stubs
- Crayon sharpener, carrot peeler or grater (depending on your child's ability level)
- Iron
- Newspaper
- Yarn
- Hole punch



What You Do:

1. Cut two large, matching pieces of waxed paper and lay one piece flat on your work surface.
2. Peel the paper from your crayons. Have your child sharpen or grate the crayon bits over the wax paper in a decorative design.
3. When finished, top with the second piece of waxed paper and the newspaper.
4. Then, iron the paper on low until the crayons have melted enough to hold both pieces of paper together (keep lifting newspaper to check).
5. Let cool. Trim edges and punch a hole at the top. Add a yarn hook.
6. Hang in your child's window or around the house. Better than Chartres!

Day 3

Reading	Use the pictures to retell the story of Little Red Riding Hood.
Writing	Draw or write all about your family using this worksheet.
Science	Create a wave in a bottle in this fun science project!
Math	Which one doesn't belong? Look carefully to figure out which picture doesn't belong with the rest.
Other Fun Stuff	Make Little Red Riding Hood finger puppets to act out the story!



Little Red Riding Hood

Fairytales storyboard

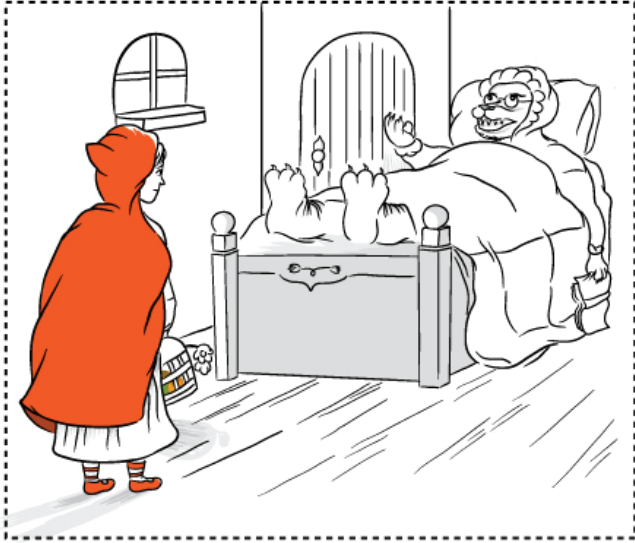
Oh no! This story has gotten all mixed up. Can you put the scenes from this famous fairytale in the right order?



Bonus activity: Color in the Big Bad Wolf once you've gotten the story back in order.



cut and reorder

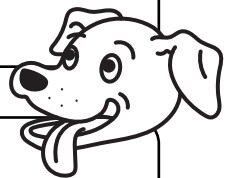


Name: _____ Date: _____

Planning For Words: My Family

Think about spending time with your family. Use the boxes below to draw pictures of what happened in the beginning, middle, and end of a time with your family.

Beginning



Middle

End



Make Waves in a Bottle

As kindergarteners begin to study the water cycle, those who live near an ocean may very well make a visit. But if your child's school is in an inland area, or if the ocean waters nearby seem a little too rough, here's a delightful way to bring the ocean home...by making waves in a bottle! This project is a great way to build up those kindergarten observational skills and get your kid excited about science.

What You Need:

- Clean bottle with cap
- Canola oil
- Water
- Food coloring (blue is a good choice for literal-minded kinders)

What You Do:

1. Start by helping your kindergarten scientist pour canola oil into your bottle until it's about "half" full.
2. Help your child pour in enough water to fill the rest of the bottle. Add a few drops of food coloring, cap the bottle securely, and put the bottle on its side.
3. Now swish the bottle back and forth, side to side. Look at what's happening—there's an ocean in the bottle!
4. As an extra option, consider making a little "boat" from a cork that fits through the top opening of your bottle. Watch how the cork bobs on the waves, just like a [surfer](#) or [sailor](#).



Did You Know?

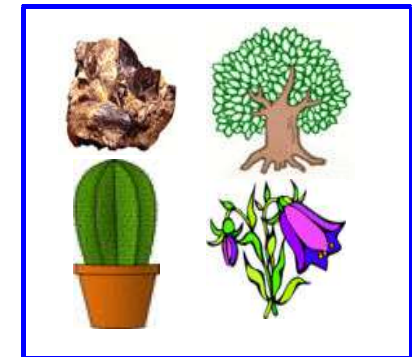
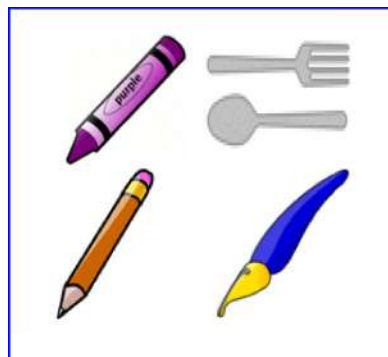
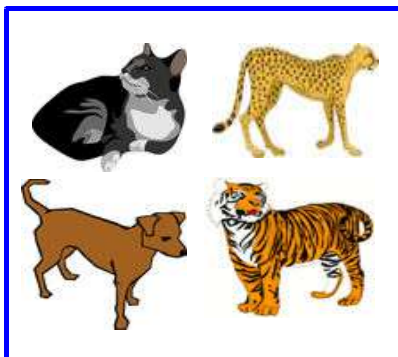
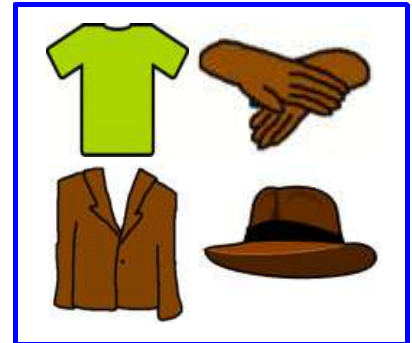
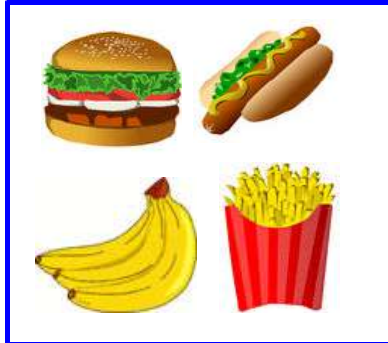
On our planet, waves happen when our earth spins on its axis and water is pulled by gravity across the geological formations of the ocean floor. When you move the bottle, you're seeing energy move through the water to make waves, just like out in the deep blue sea!

Name: _____

Date: _____

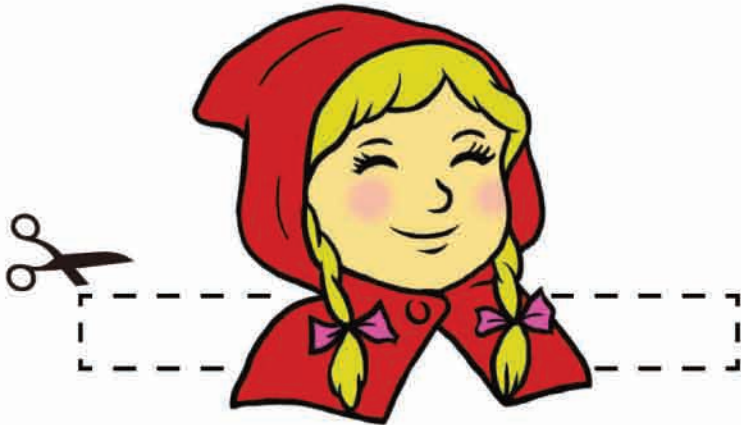
Which of These Do Not Belong?

In each group of pictures, circle the one that is different from the rest.



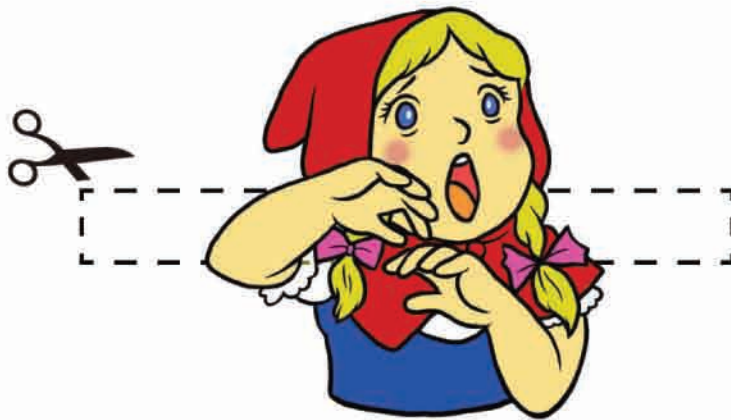
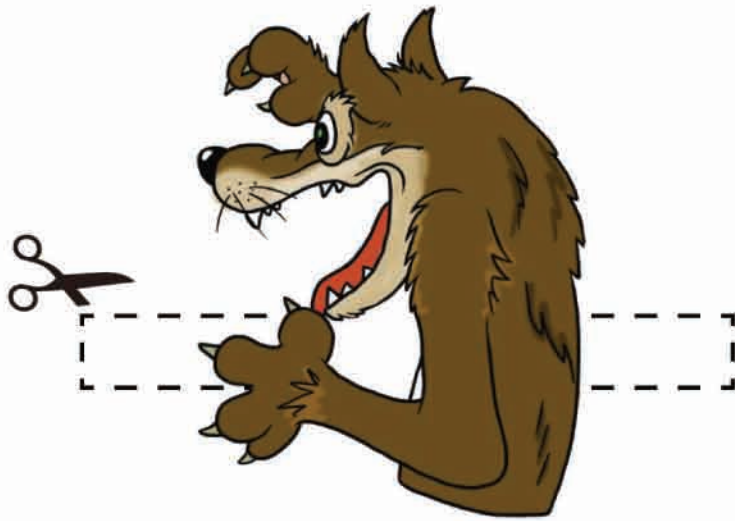
Make your own finger puppets!

Cut out the finger puppets and use tape to fasten them around your fingers. Then put on a show!



Make your own finger puppets!

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Day 4

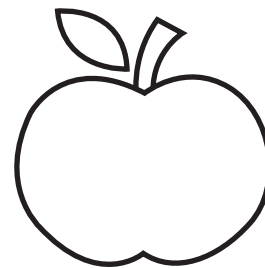
Reading	Create and read a mini book all about the color red!
Writing	Practice reading and writing sight words.
Science	Learn all about clouds!
Math	Practice adding one more to a group to find how many there are in all.
Other Fun Stuff	Create your own fish patterns in this fun art project!



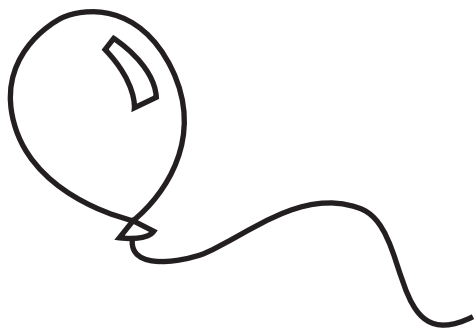
_____ 's
Book of Red



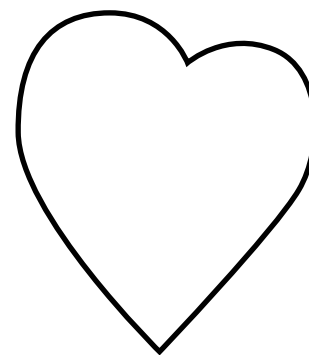
The apple is red.



The balloon is red.



The heart is red.



To make your book of red, first write your name. Then, use red to trace the words and color the pictures. When you are done, cut the pages on the dotted lines and have your parent staple them together!

Name: _____

Date: _____

Write and Draw Sight Words

Look at the sight word, trace the dotted lines, then write it yourself!



hot

hot

The sun is _____.

Circle other things that are hot.



Cloud Observation

Introduce your child to early science concepts with this fun observational activity. They'll pick a cloud to observe, then do some sketches to determine its movement across the sky. They can observe multiple clouds and compare their results to learn more about clouds and how they behave.

What You Need:

- Cloud-filled sky
- Paper
- Pencil
- Colored markers

What You Do:

1. Have your child look up at a section of the sky and pick a cloud.
2. Ask them to sketch a quick picture of the sky and to indicate the location of their cloud in the picture by outlining it with one of the colored markers.
3. As soon as they're done with the first sketch, have them look up at the same part of the sky again and make another sketch.
4. Have them compare the two sketches and ask them to make some observations about their cloud. They might be able to observe that the cloud has moved very slowly, and they can chart which direction it moved. If they can't locate their cloud in the second sketch, they'll be able to assume that it moved across the sky very quickly.
5. Ask them about their observations of the cloud. Ask them why they think clouds move.
6. Have them do the activity multiple times, then compare the different shapes, results, and movements of the clouds.



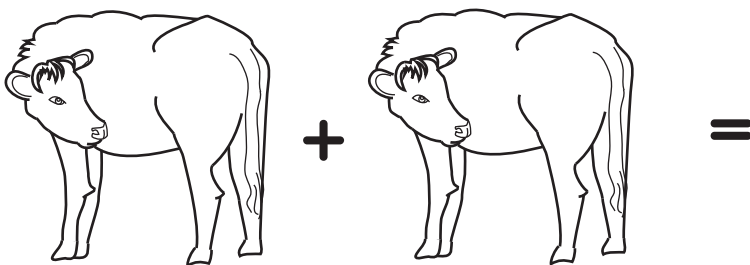
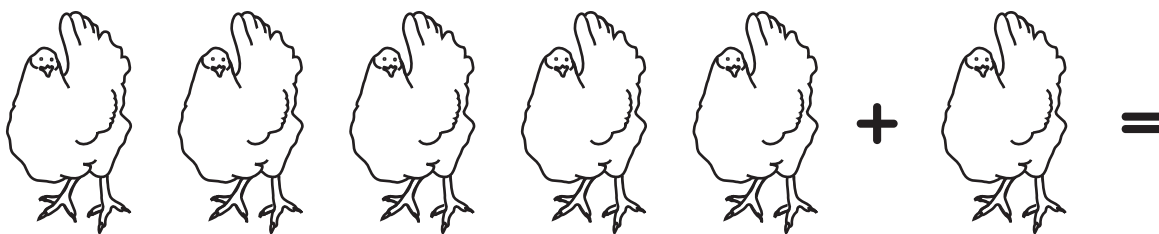
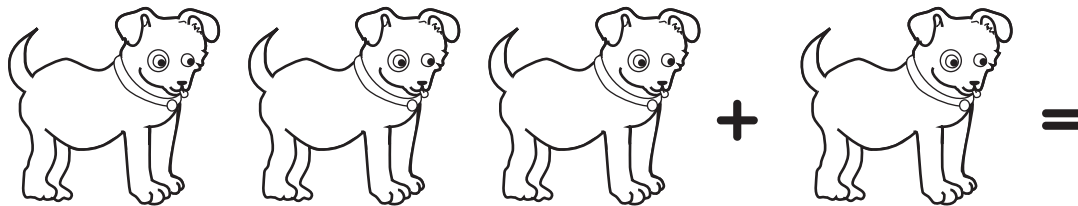
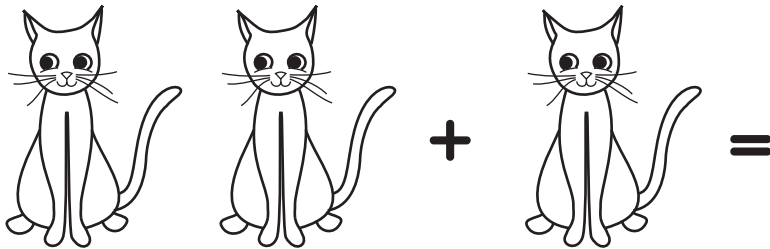
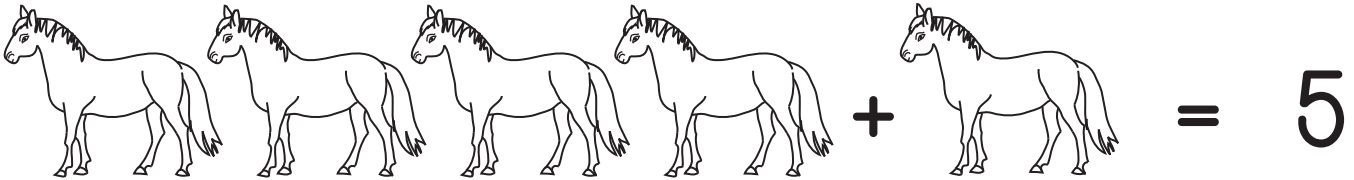
When you're working with an older child, you might want to encourage them to use a ruler to measure the number of inches or centimeters the cloud moved. From that information, challenge them to guess how far they think the cloud actually moved across the sky!

One More

Name: _____

Date: _____

Directions: Complete each math problem. Record your answer.



Fish Patterns

If you looked underwater in any ocean or sea, you would see a stunning variety of patterns on all of the fish. From polka dots and stripes to zig-zags and geometric designs, fish are unique creatures with an incredible variety of features. These naturally occurring looks are popular in fashion, too. This activity combines math patterns with design. Using markers and construction paper, your child will design their own fashionable fish while practicing how to create a variety of patterns.

What You Need:

- Construction paper
- White paper
- Markers
- Pencil
- Scissors
- Craft glue

What You Do:

1. Help your child draw the outline of a fish on a sheet of white paper. Try to make it as large as possible to fill the page.
2. Have your child cut the fish out of the paper.
3. Encourage them to divide the fish up with lines. Within each of the shapes they create with their lines, there will be a different pattern.
4. Ask your child to name as many patterns as they can think of before they begin drawing. Some of these patterns may include: Zig-zags, polka dots, plaid, stripes, argyle, diamonds, and geometric patterns.
5. Have them use markers to create a completely different pattern in each section of the fish. They can be as colorful and complex as they like.
6. Glue the patterned fish to a solid sheet of construction paper and hang it on a wall to help remember the variety of patterns that your child can create!



Day 5

Reading	Travel through space as you read about these amazing astronauts!
Writing	Practice writing your phone number.
Science	Experiment with air as you create your very own parachute!
Math	Practice your colors and shapes as you create a colorful rocket ship!
Other Fun Stuff	Explore your emotions in this fun family activity.



Space Explorers: Christina Koch, Jessica Meir, and...YOU?

The first all-female spacewalk happened on October 18, 2019 when Christina Koch and Jessica Meir traveled to the International Space Station.

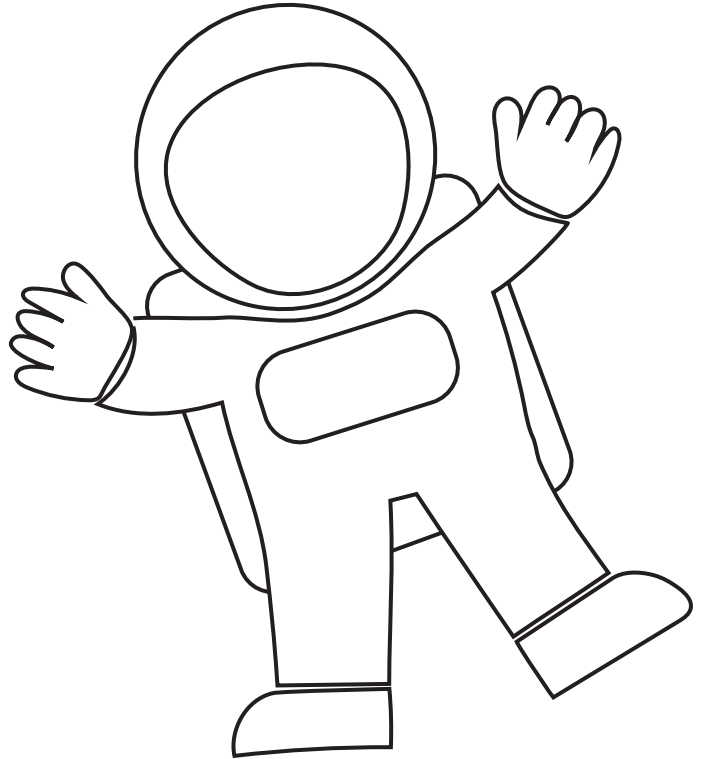


Jessica Meir



Christina Koch

Astronauts wear space suits when they travel to space. Draw a picture of YOU wearing a spacesuit.



Imagine what it would be like in space! Draw what it would look like:

What would you see in space?

In space, I see _____.

MY PHONE NUMBER



Write your phone number on the blanks below. Then, practice dialing your phone number on the telephone buttons below.



Make a Parachute Toy

Looking for an outdoor distraction? Make this parachute toy! You probably have all the supplies you need, without a scramble to the store, and this activity is a blast. Plus, it gives kids an excuse to investigate and experiment—the backbone of kindergarten science.

What You Need:

- String
- Bandana or small piece of cloth
- Button with four holes
- Pipe cleaner, small stone, action figure or other small objects

What You Do:

1. Build the toy: Cut four equal pieces of string, about 18-24 inches in length. Thread each string through a separate hole in the button, then tie them together, leaving a few inches trailing at the bottom.
2. Lay out your bandana or cloth and stretch the other ends of the strings, taping one string to each corner of the bandana. Voila! You've got a parachute.
3. Make predictions: Ask your child what they think will happen when you drop the parachute. Will it matter if you drop it from a high height or a low one? Will it matter if you attach a stone or other object underneath the button? Will any of these things affect the speed the parachute falls or the path it takes? Have your child make predictions. Then take the chute out for some experimentation! Attach a figure weaved out of the pipe cleaner. Next, tie on something heavier. Drop the parachute from various heights and angles. What happens?



This is a great way for kids to explore and experiment, key elements of early science...and a lot of hands-on fun!

Name _____

Date _____

COLOR BY SHAPE ROCKET IN SPACE

Color in the rocket ship according to the key:



star:
yellow



oval:
blue



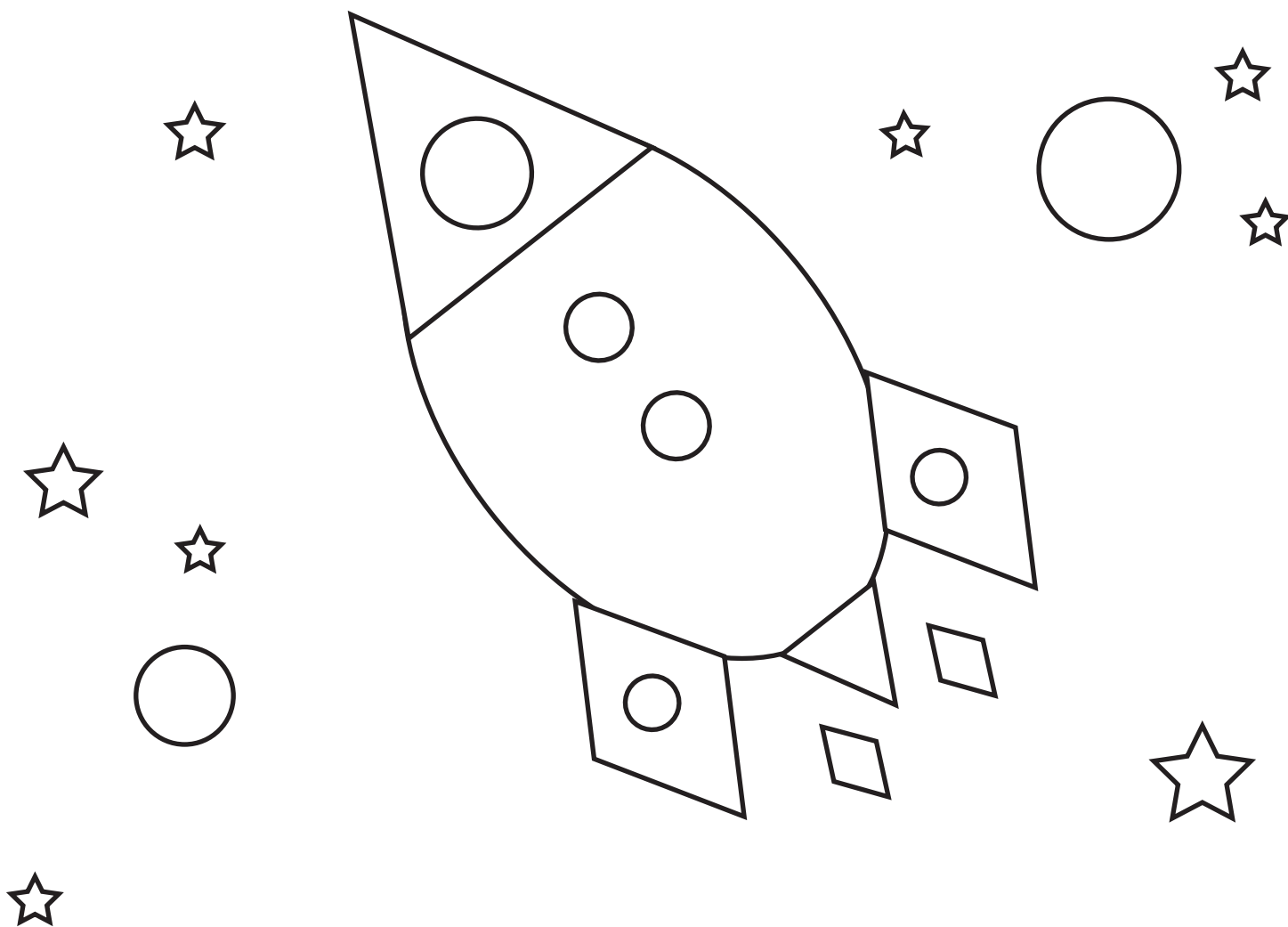
diamond:
red



circle:
orange



triangle:
green



My rocket is headed to _____.

Exploring Emotions

Explore emotions through songs and crafts in this social emotional learning activity. In this home activity, children will play an emotions guessing game. Then they will get crafty as they create a kaleidoscope of emotions to represent the ever changing nature of feelings. Designed with kindergarten and first-grade learners in mind, this activity will help children build social and self-awareness and develop important skills such as learning to identify emotions and practice mindfulness of emotions.

What you need:

- [Kaleidoscope of Emotions](#) worksheet
- Empty chips can
- Aluminum foil
- Hammer and nail
- Glue
- Glitter, sequins, and tissue paper



What you do:

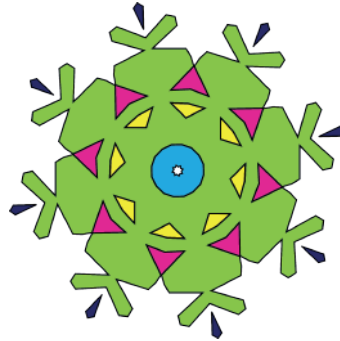
1. Explain to your child that today they will explore different emotions.
2. Tell them that they will play a game called "Guess That Emotion!"
3. Explain that you are both going to act out a few common emotions and then guess what emotions you are acting out.
4. Take a piece of paper and fold it twice so there are four squares. In each square write one of the following emotions: mad, sad, scared, glad. Now cut each square out, fold each one, and place it in a hat or container. Decide who will draw the first emotion.
5. After each emotion is acted out, pause for 30 seconds and ask, "What emotion am I feeling?" Then give 30 seconds to guess the emotion.
6. Explain that it is always okay to be feeling whatever emotion we may be feeling and that emotions can change all the time. Emphasize that it's important to remember that emotions are something we all feel but we are not our emotions.
7. Explain to your child that it is helpful to talk about how you feel with others.
8. Tell them that they will be making a kaleidoscope of colors to remind them that emotions are okay and are always changing.
9. Review the Kaleidoscope of Emotions worksheet with your child and complete it together!

Kaleidoscope of Emotions

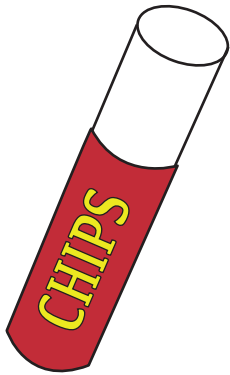
Emotions come and go, just like the colors and shapes of a kaleidoscope! Follow the directions below to create your very own bright and beautiful kaleidoscope as a reminder that emotions are always changing.

Materials:

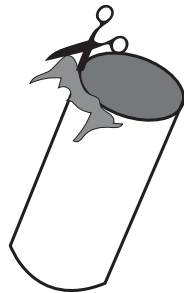
- Empty potato chip canister
- Aluminum foil
- Hammer and nail
- Glue
- Glitter, sequins, and tissue paper
- Colored paper
- Markers and crayons
- Clear contact paper



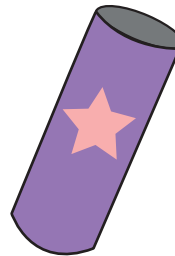
1: Clean and empty your chip canister.



2: Roll a piece of aluminum foil and place it inside the can. Cut off excess foil from the can.



3: Wrap a piece of colored paper around the outside of the can and tape to secure in place. Use markers and crayons to decorate!



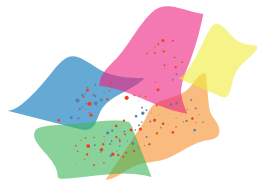
4: Have the parent/adult take a hammer and nail and punch a hole on the sealed end of your can. This will be the hole you will look through. (Note to parents: You can model for your child how to use a hammer and nail safely. Then your child can share what they learned and mimic what you are doing using a play hammer and sharpen their fine motor skills.)



5: Use glue to place glitter and sequins on the inside of the chip canister lid. You may use colorful paper, as well.



6: Mix clear glue with glitter and water. Tear colorful tissue paper to place on the inside of the lid.



7: Use clear contact paper and place glitter, colored tissue paper, and sequins on the paper. Press another piece of contact paper on top to seal your design.



8: Cut around the contact paper to fit it to your can closely. The lid will go on over the contact paper.



There you have it! Gaze through the eyehole as you move the kaleidoscope in a circle to look at the changing shapes, sparkles, and colors and remind yourself that emotions, like your kaleidoscope images, are always changing.

Week 5

Independent Study Packet

ANSWER KEYS

**Use these answer keys
to check your work!**



Name: _____

Date: _____

Find the Hidden Numbers **Answers**

Find and circle: 1 2 3 4 5 6 7 8 9 10



Answers

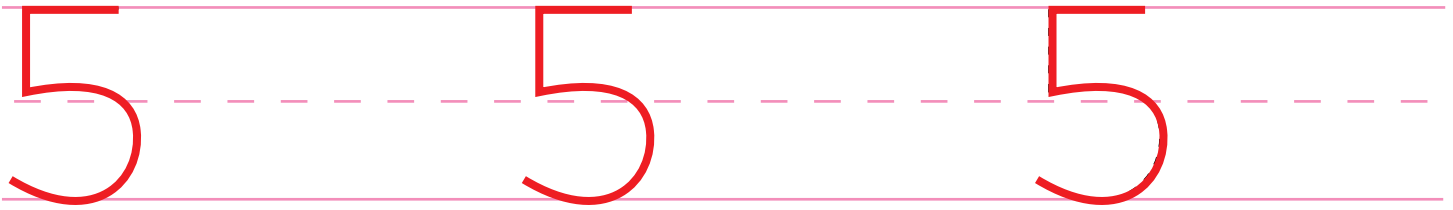
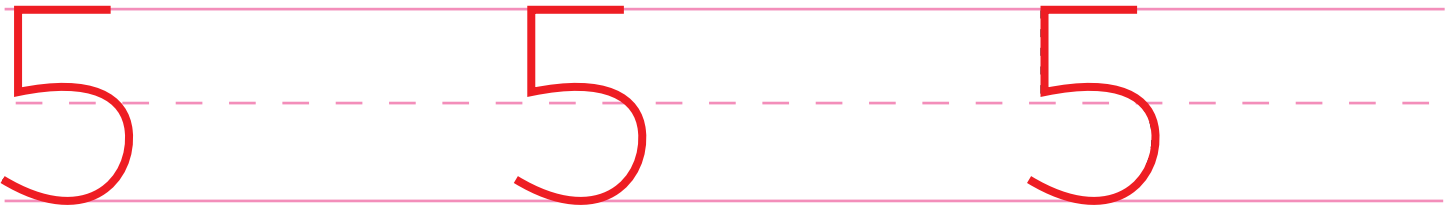
Preschool MATH

All About the Number

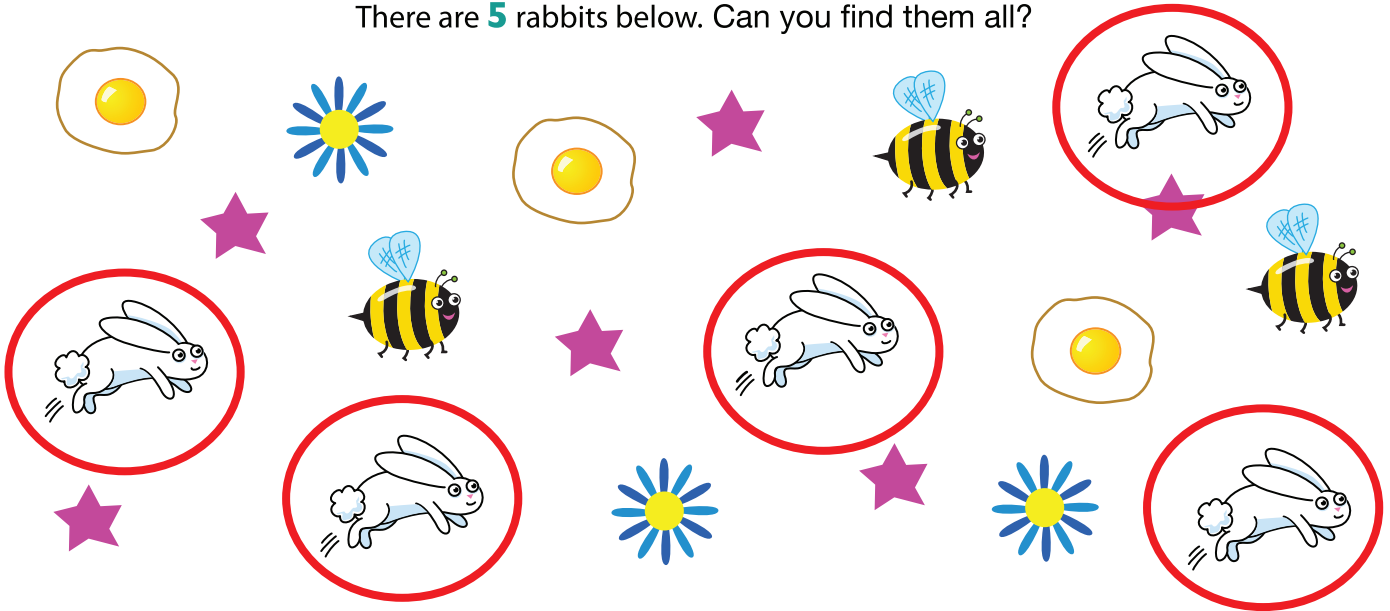
5



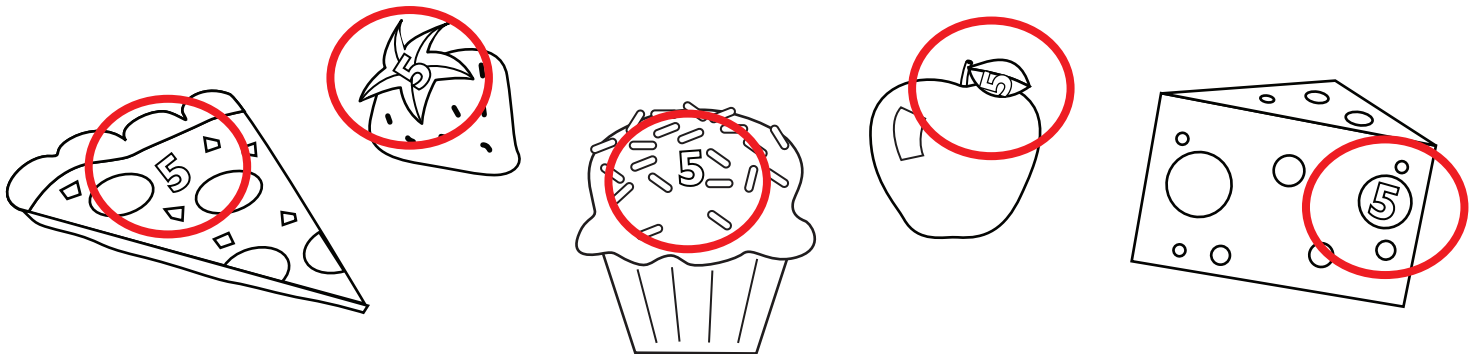
Trace the dotted lines on the number 5. Then write your own 5 next to it! Repeat.



There are 5 rabbits below. Can you find them all?



Color in the fun art below. There is a number 5 in each drawing. Can you find them all?



Little Red Riding Hood

Fairy tale storyboard

Answers

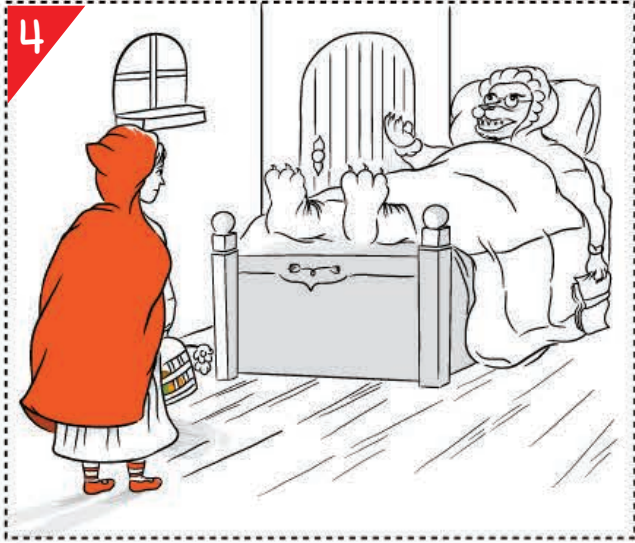
Oh no! This story has gotten all mixed up. Can you put the scenes from this famous fairytale in the right order?



Bonus activity: Color in the Big Bad Wolf once you've gotten the story back in order.



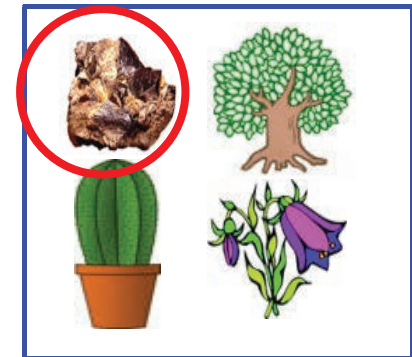
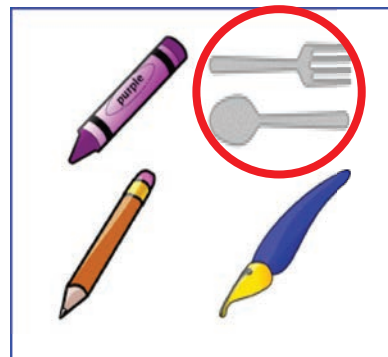
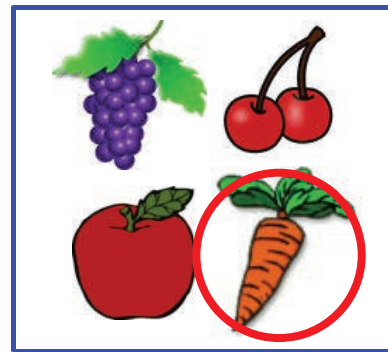
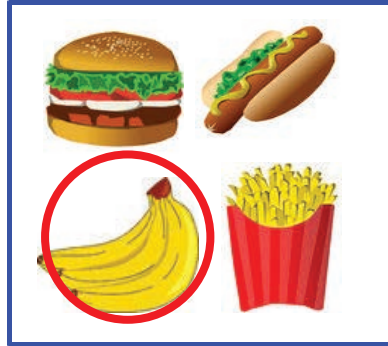
cut and reorder



Which of These Do Not Belong?

In each group of pictures, circle the one that is different from the rest.

Answers

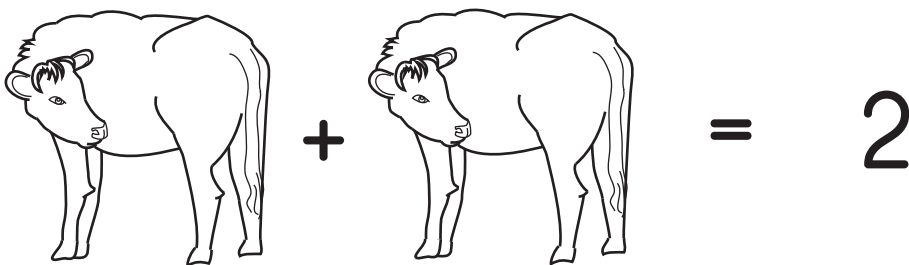
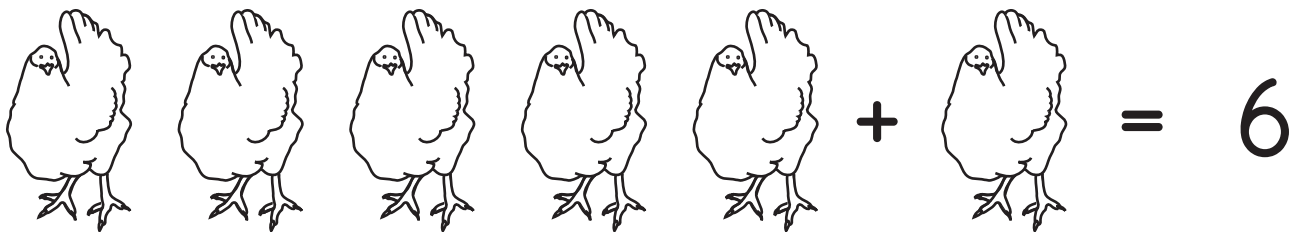
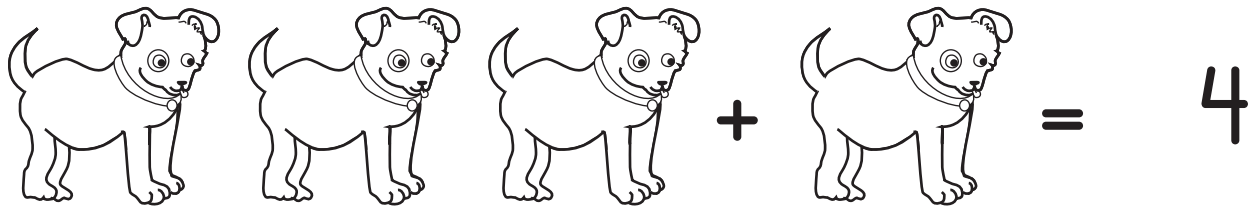
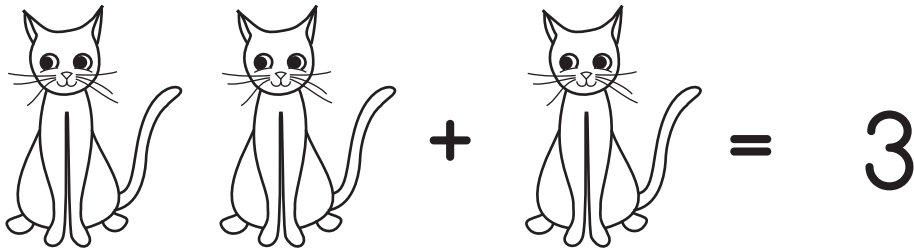
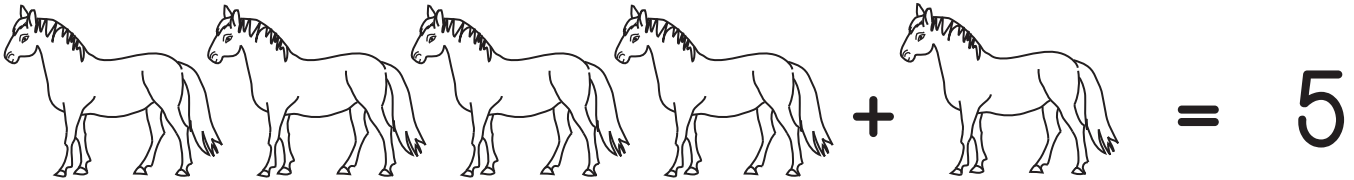


One More

Name: _____

Date: _____

Directions: Complete each math problem. Record your answer.



Name _____

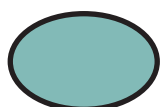
Date _____

COLOR BY SHAPE ROCKET IN SPACE **Answer key**

Color in the rocket ship according to the key:



star:
yellow



oval:
blue



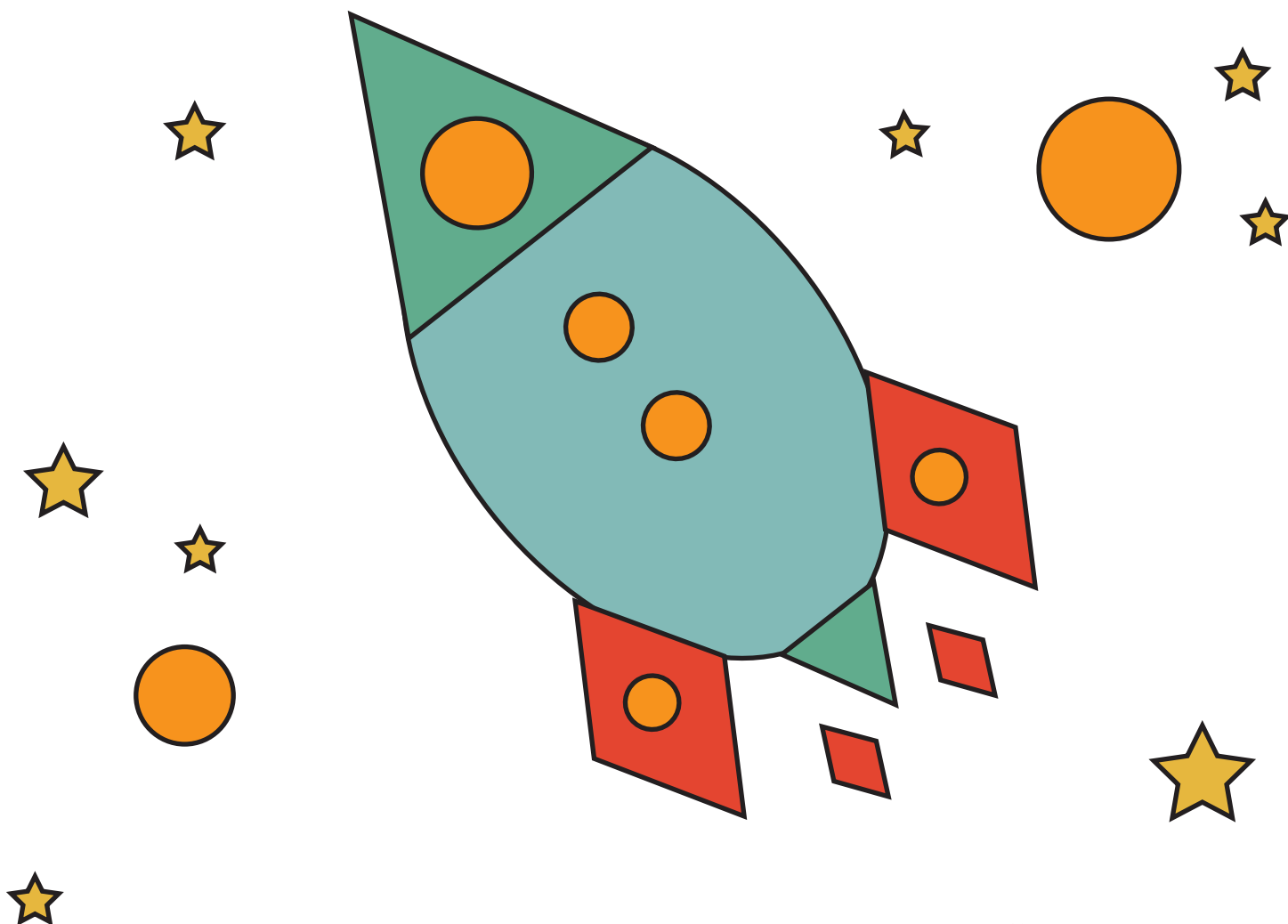
diamond:
red



circle:
orange



triangle:
green



My rocket is headed to (Answers will vary.)