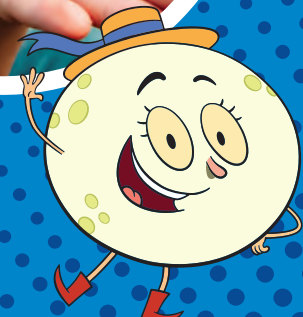




# SUMMER!

## FUN ACTIVITY BOOK



**UPPER  
ELEMENTARY**

On TV. Online. Statewide. VISIT [MichiganLearning.org](http://MichiganLearning.org)










# Week 5: Our Stories

July 17-23

From legends to our everyday lives, stories shape who we are. Our featured careers this week are writer, archaeologist, and teacher. Scan the QR code or visit [MichiganLearning.org/Summer/Stories](https://MichiganLearning.org/Summer/Stories) to explore all of our videos this week.

Use the sheet below to mark off this week's activities as you complete them. See if you can get a BINGO! Some of them are in this book, and some ask you to use your imagination or go outside.



|   |  |  |   |   |
|---|--|--|---|---|
| Learn about a family member's job   | <br>60 mins. of activity  | <br>Read for 20 minutes         | Read a story from a different country   | Try "Going on a Book-nic"   |
| <br>Read for 20 minutes  | Research a featured career   | Watch Cartoon Academy  | Draw a family portrait  | <br>60 mins. of activity |
| <br>60 mins. of activity | Fill out the Career Girls Comic  | <br>HAVE FUN!<br>(Free Space) | Watch Story Pirates   | <br>Read for 20 minutes  |
| Watch Live From the Opera House   | Write an original story  | Watch DIY Science Time   | Watch InPACT at Home  | Make a family recipe  |
| Watch InPACT at Home  | <br>Read for 20 minutes | Draw a comic strip   | <br>60 mins. of activity | Watch Math Park   |



# Going on a Book-nic

Name \_\_\_\_\_



## Book Character Hunt: A-Z

### Instructions:

1. Assign one person to be the recorder for your book character hunt. Choose an adult or child who can write down the names.
2. Work together to name the book characters that start with the letters A-Z, and record them in the list below. Be creative and ask for help when you need it.

| Letter | Book Character | Letter | Book Character |
|--------|----------------|--------|----------------|
| A      | _____          | N      | _____          |
| B      | _____          | O      | _____          |
| C      | _____          | P      | _____          |
| D      | _____          | Q      | _____          |
| E      | _____          | R      | _____          |
| F      | _____          | S      | _____          |
| G      | _____          | T      | _____          |
| H      | _____          | U      | _____          |
|        | _____          | V      | _____          |
| J      | _____          | W      | _____          |
| K      | _____          | X      | _____          |
| L      | _____          | Y      | _____          |
| M      | _____          | Z      | _____          |

Find more games and activities at [pbskidsforparents.org](https://pbskidsforparents.org)



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## Career Comics 1      Career Video: \_\_\_\_\_

Scan the QR code to visit the Career Girls website and find a career video that interests you. Then ask yourself: *What is this job like?* Create a comic starring you in this career. At the top, fill in the career and sign your name. Use words and pictures to tell what happens on the job!

I Want to Be \_\_\_\_\_ By \_\_\_\_\_

If you like \_\_\_\_\_ and  
\_\_\_\_\_, you might like  
to be \_\_\_\_\_  
(career)

How do you get ready  
for this career?

You can start by \_\_\_\_\_ and  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

You'll need some  
skills, too.

Like these:

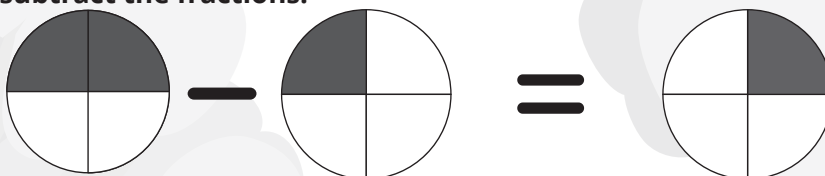
- 1.
- 2.
- 3.

What else can you  
do to prepare?

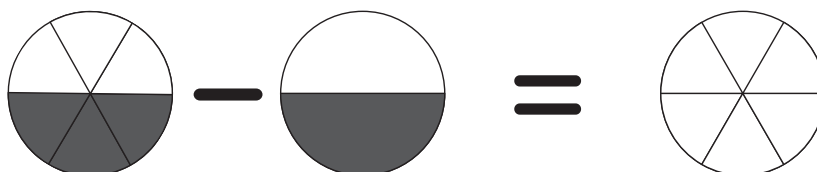
# MATH PARK

## Adding & Subtracting Fractions

Directions: Scan the QR code to watch the video, and then add and subtract the fractions.



$$\frac{4}{8} + \frac{1}{8} = \underline{\hspace{2cm}}$$



$$\frac{2}{4} + \frac{1}{4} = \underline{\hspace{2cm}}$$





# THE HERO SIZED PROBLEM

Every story involves some sort of problem, but in a hero story that problem is SO HUGE that a whole community is in danger, and a hero needs to save the day! For more ideas on how to create a Hero Sized Problem, check out our Hero Stories videos at [storypirates.com/storypiratesuniversity](https://storypirates.com/storypiratesuniversity).

What is the **COMMUNITY** where your story takes place? A city? A town? An underground snow fortress? Use your imagination, then draw and label a picture or map!

Time  
to Draw!



What is the **HERO SIZED PROBLEM** in the community?





# CREATIVE SOLUTIONS

The Hero Sized Problems of today can't be solved just by punching, kicking, and blowing things up. Heroes need to be able to use their imaginations, and come up with creative ways to solve problems that nobody has ever thought of before. For more ideas on how to invent some **CREATIVE SOLUTIONS**, and then have your hero **TRY, FAIL, AND TRY AGAIN**, check out our Hero Stories videos at [storypirates.com/storypiratesuniversity](https://storypirates.com/storypiratesuniversity).

The **FIRST** solution the hero tried:

Unfortunately (what went wrong?):

The **NEXT** thing the hero tried:

Unfortunately (what went wrong?):

The solution that **FINALLY** worked:

It worked because:

# DIY Heatless Lava Lamp



## FUN FACT

Lava lamps were invented in 1948 and were originally called "Astro Lamps." The lava lamp made its television debut in the US in the 1960s on a show called "Doctor Who." Sales skyrocketed after this TV appearance!

## MATERIALS

- 2-liter bottle
- Vegetable oil
- Water
- Effervescent tablets
- Food coloring
- Funnel

## DIFFICULTY



## DENSITY

Density is a measurement of the matter an object has within a given volume. Objects with more matter in a given volume have a higher density. Objects with less matter in the same amount of volume have a lower density. Density is found by dividing the mass of an object by its volume.

**VISIT**  
**DIYSCIENTIME.ORG**  
FOR MORE SCIENCE FUN!



***What runs but  
never walks?***

*\*Answer on the next page*

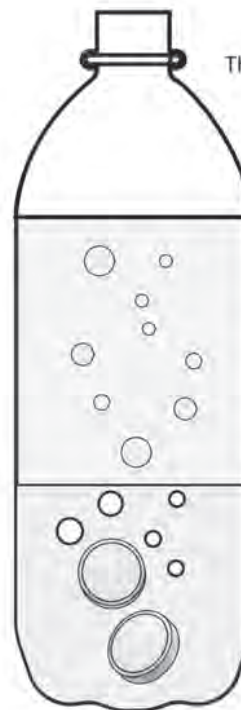
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## DIY Heatless Lava Lamp

### EXPERIMENT

- Step 1:** Gather your materials.
- Step 2:** Clean and rinse your empty 2-liter bottle.
- Step 3:** Pour 3 cups of water into your bottle.
- Step 4:** Add food coloring to the water.
- Step 5:** Gently pour vegetable oil into the bottle and observe how the water and oil interact.
- Step 6:** After allowing the water and oil to settle, drop pieces of the effervescent tablets into the bottle.
- Step 7:** Observe what happens!



\*Joke Answer -  
The water from your faucet!

### WHY IT WORKS

The oil and water stay separate because they have different densities. The oil floats on the water because it's less dense than water. When the effervescent tablet sinks to the bottom, it mixes with the water and starts a chemical reaction that produces carbon dioxide, a gas that rises through the oil. When these bubbles rise, they pull some of the colored water up and through the oil. The gas eventually escapes at the top, but the water falls back down through the oil because it is more dense!

### EXTEND YOUR LEARNING

- What happens if you add more pieces of effervescent tablet, or change the amount of water in the bottle?
- Try shining a light, like a flashlight, through the bottle. What can you see differently?
- Is there a limit to the number of times you can repeat the experiment?

### WORKFORCE CONNECTION

Paint chemists are scientists who study the properties and use of paint. Most paints are made of the same basic ingredients: pigments, binders, liquids, and additives. How these ingredients interact due to their densities plays an important part in determining the way that paint performs. Paint chemists study things like how well a paint can cover a surface or how long a paint may be able to last outside in the weather.

# it's Storytime CHALLENGE



**Poetry brings people together.**  
*It is a great way for you to share your thoughts and feelings about big ideas. Poetry helps us see the beauty in ourselves and others as we work with the beauty of words.*

**Notebook Paper or Scrap Paper**  
**Pencil or Pen**

**Markers**  
**Scissors** (*regular or decorative edge*)  
**Large Paper**

**Grocery Bag**  
**Watercolor Paints** (*optional*)



**What other materials could you find and use?**



I am \_\_\_\_\_  
 I wonder \_\_\_\_\_  
 I hear \_\_\_\_\_  
 I see \_\_\_\_\_  
 I want \_\_\_\_\_  
 I feel \_\_\_\_\_  
 I worry \_\_\_\_\_  
 I dream \_\_\_\_\_  
 I try \_\_\_\_\_  
 I hope \_\_\_\_\_  
 I am \_\_\_\_\_ (*repeat the first line*)

**LIVE**  
 from the  
**OPERA HOUSE**  
 it's Storytime

**TCAPS**  
 Traverse City Area Public Schools  
 Great Community, Great Schools

**Michigan LEARNING CHANNEL**  
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**CITY OPERA HOUSE**



## **WHAT IS MEET UP AND EAT UP?**

Meet Up and Eat Up provides FREE nutritious meals for children and teens 18 years and younger.

## **HOW DO I SIGN UP?**

No application or sign-up needed, just come and join us!

## **WHERE IS IT?**

To find a location near you

**Visit: [www.michigan.gov/meetupeatup](http://www.michigan.gov/meetupeatup)**

**Call: 211**

**Text: Food to 304-304**

**Mande por texto "Comida" al 304-304**





# Michigan LEARNING CHANNEL

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# SUMMER!

**FUN ACTIVITY BOOK**

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