



WHAT'S THE PROBLEM?

Identify the problem. Ask other people what problems they have around their homes, neighborhoods, or that could be solved with a new invention. List their responses below.

Family _____

Friends _____

Neighbors _____

Yourself _____

Brainstorm ideas to solve the problem. Write or draw ideas for solutions for your problems.

1.	2.
3.	4.
5.	6.

Narrow your list. Choose your 3 favorite invention ideas from above and put a circle around them.

Think about your invention. Complete the following chart for each idea. Check the boxes for **Yes** or **No** as you read each question. You may not be able to complete each question now, so you may go back to it as you learn more.

IDEA #1:

Is My Idea...	YES	NO
Realistic? Is it something that could exist in real life?		
Something I can draw or make a model of? (The model can be working or non-working.)		
Useful to someone or a group (a target audience)?		
Can your idea be made from recyclable materials and other items that you have or can get?		
Something that already exists or is sold in a store? (You may need to research this on websites like Amazon or Target later.)		
If the idea already exists, my idea is different because... <i>(If Yes, write how it is different here.)</i>		

IDEA #2:

Is My Idea...	YES	NO
Realistic? Is it something that could exist in real life?		
Something I can draw or make a model of? (The model can be working or non-working.)		
Useful to someone or a group (a target audience)?		
Can your idea be made from recyclable materials and other items that you have or can get?		
Something that already exists or is sold in a store? (You may need to research this on websites like Amazon or Target later.)		
If the idea already exists, my idea is different because... <i>(If Yes, write how it is different here.)</i>		

IDEA #3:

Is My Idea...	YES	NO
Realistic? Is it something that could exist in real life?		
Something I can draw or make a model of? (The model can be working or non-working.)		
Useful to someone or a group (a target audience)?		
Can your idea be made from recyclable materials and other items that you have or can get?		
Something that already exists or is sold in a store? (You may need to research this on websites like Amazon or Target later.)		
If the idea already exists, my idea is different because... (If Yes, write how it is different here.)		

Share your ideas. With the class, share your ideas with your classmates or others.

- What do they like about your ideas?
- What suggestions do they have?
- Which one is their favorite idea?

Name of Sharing Partner	They liked idea...	Why did they like this idea?

Choose your final invention project. After Sharing your top ideas, which one is the best? Write it below: (This is your Problem Statement)

My problem is:

My project solution is:

Draw your solution. Use the rest of the page to draw what you want your solution to look like!
This will be the design for your prototype.