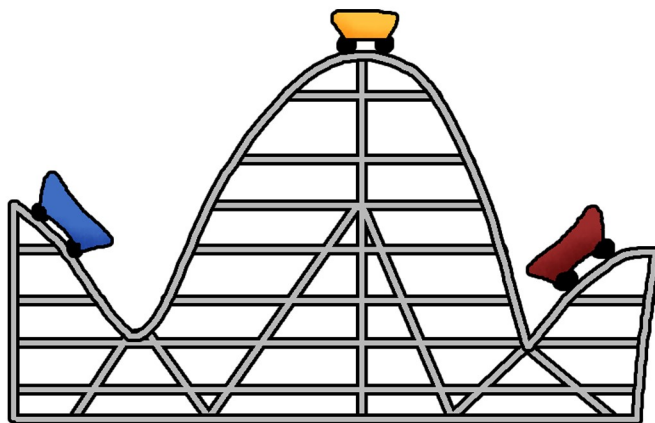
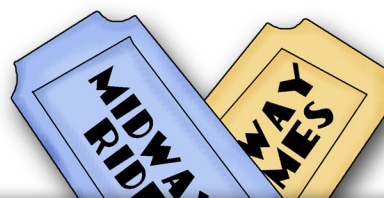


MIDWAY



The **THEME PARK PROJECT**

By Jenna Smith

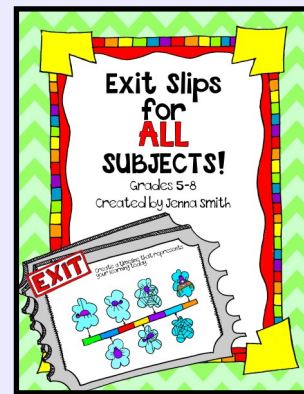
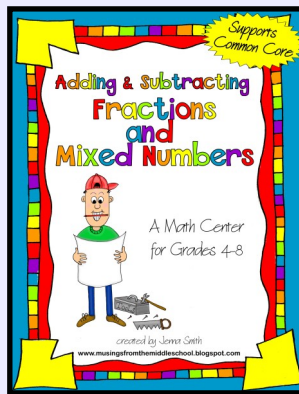
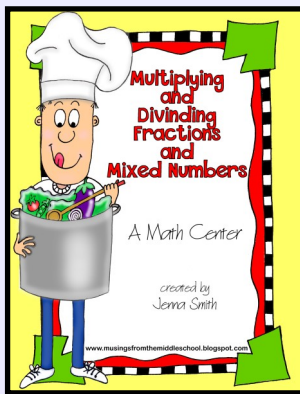


The
Pefect End-of-Year
Math Activity!

Grades 4-8

www.musingsfromthemiddleschool.blogspot.com

CHECK OUT THESE RESOURCES:



Credits:



HOW TO GET TPT CREDIT TO USE ON FUTURE PURCHASES:

Please go to your **My Purchases** page (you may need to log in). Beside each purchase you'll see a **Provide Feedback** button. Click it and you will be taken to a page where you can give a quick rating and leave a short comment for the product.

Each time you give feedback, TpT gives you credits to use to lower the cost of your future purchases. I value your feedback greatly as it helps me determine which products are most helpful for your classroom so I can create more for you.

CONNECT WITH ME:



My Store



My Blog



Facebook



Instagram



Pinterest



© Jenna Smith 2015. This purchase is for your classroom. Please do not post online. Duplication for an entire school, an entire school system, or for commercial purposes is strictly forbidden. Please have other teachers purchase their own copy. If you are a school district interested in purchasing several licenses, please contact me for a district wide quote.

thanks! Jenna

A Note About This Project...

This is one of my favorite end-of-the-year projects! There is lots of great math involved, as well as art and writing. And the "theme park" focus is perfect for the time of year.

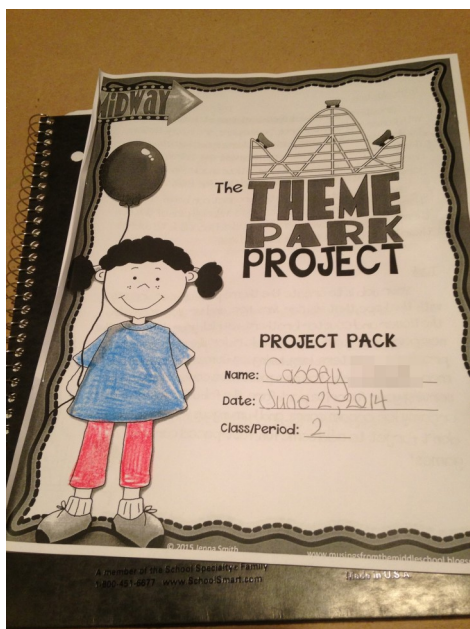
This project can be as involved as you need it to be. For example, some years my students have had two days to complete it, and other years they've had two weeks! It's up to you how many of the "extras" you want to incorporate.

In this download, you will find the following:

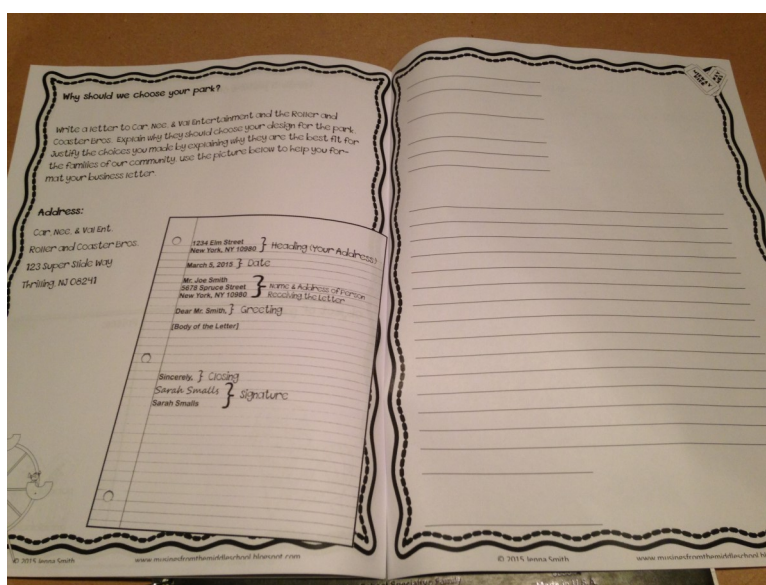
- Two versions of the "Theme Park Project" where students design a theme park and create a scale drawing of their park.
 - **PROJECT A** students will calculate the area and perimeter of the rides and attractions located within their theme park.
 - **PROJECT B (more challenging)** students will calculate the area and perimeter of the rides and attractions located within their theme park, as well as calculate the cost of the concrete pads and fencing for the rides.
- *EXTRA: students can create drawings of their rides and attractions (they can complete just a few, or you can have them create a drawing for everything in their park!! Again, this depends on your time frame!)
- *EXTRA: students can write a persuasive business letter to the creators of the park encouraging them to select their park design.
- *EXTRA: students can make a brochure advertising their awesome theme park!



A Note About This Project...



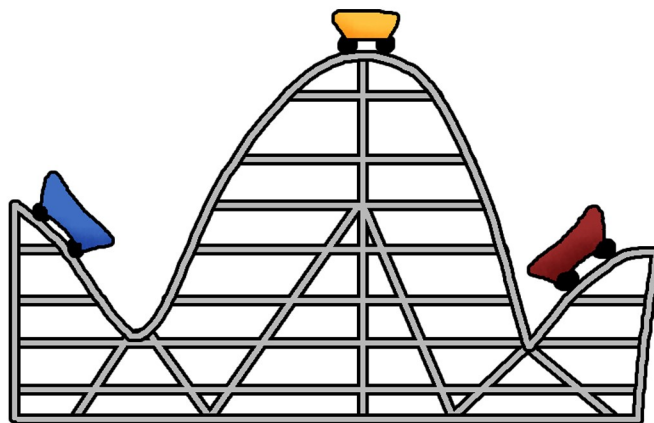
Typically, I run the project off in packet.



I include all the pages the students **must** finish and then I run off a few of the **EXTRAS** for my early finishers to complete while everyone else is still working!



Midway



The **THEME
PARK
PROJECT**

PROJECT PACK

Name: _____

Date: _____

Class/Period: _____

Introduction

Greetings! Car, Nee, & Val Entertainment, in conjunction with Roller and Coaster Bros. Developers, are in negotiations to develop a new theme park right here in our hometown!! This theme park is going to have it all: whirling, twirling, mind-swirling rides, scrum-deedle-i-umptious snacks, and glorious games galore! A most definite good time for folks of all ages!

Before construction on the project can begin, our Chamber of Commerce wants to see a design plan of this new theme park. The developers have asked local kids to submit their ideas for how this park should look.

Task

Your job is to create the theme park of your dreams with the hope that Ms. Car, Mrs. Nee, and Mr. Val, along with the Roller and Coaster brothers, will pick your design for the new park. Your park must include rides, like perilous, puke-producing coasters, lazy, lulling log flumes, and marvelous merry-go-rounds. You also must have concession stands, serving your favorite park fare, like fabulous funnel cake, creamy ice cream cones, and humungous hot dogs. And don't forget to add some fun, fast-paced carnival games!

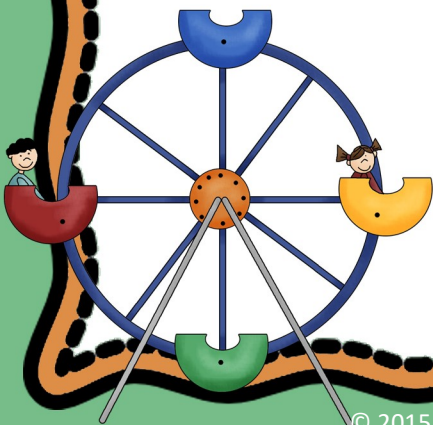


Theme Park Requirements

- Your park must be rectangular with dimensions 400 yards X 300 yards.
- Your park must contain at least five rides. These rides must appeal to families of all ages, so you need fast rides as well as “kiddie” rides.
- Your park must have at least one information booth and one restroom.
- You must have at least one concession stand and one eating area.
- Games and a gift shop are optional.
- All rides, concession stands, game booths, information booths, eating areas and restrooms must be built on a rectangular cement pad and fenced in.

Project Requirements

- You must provide a colored map of your theme park on the provided grid paper with a key.
- You must give the area and perimeter for every ride, concession stand, game, eating area, restroom, information booth, and gift shop in your park.



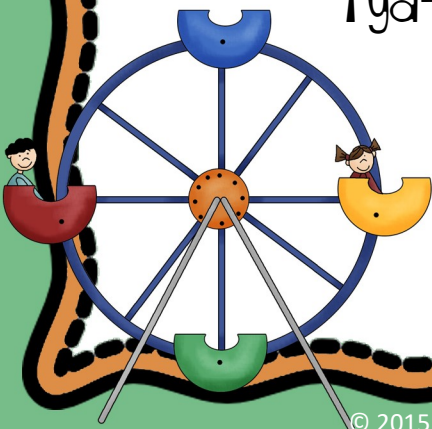
Theme Park Requirements

- Your park must be rectangular with dimensions 400 yards X 300 yards.
- Your park must contain at least five rides. These rides must appeal to families of all ages, so you need fast rides as well as “kiddie” rides.
- Your park must have at least one information booth and one restroom.
- You must have at least one concession stand and one eating area.
- Games and a gift shop are optional.
- All rides, concession stands, game booths, information booths, eating areas and restrooms must be built on a cement pad and fenced in.

Project Requirements

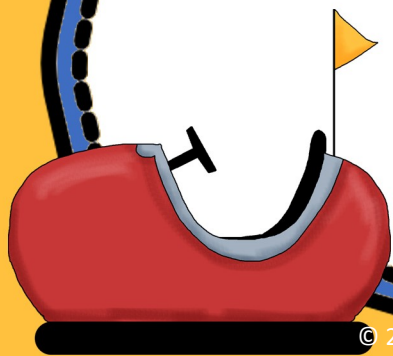
- You must provide a colored map of your theme park on the provided grid paper with a key.
- You must give the area and perimeter for every ride, concession stand, game, eating area, restroom, information booth, and gift shop in your park. You also need to provide the price to cement and fence each area.

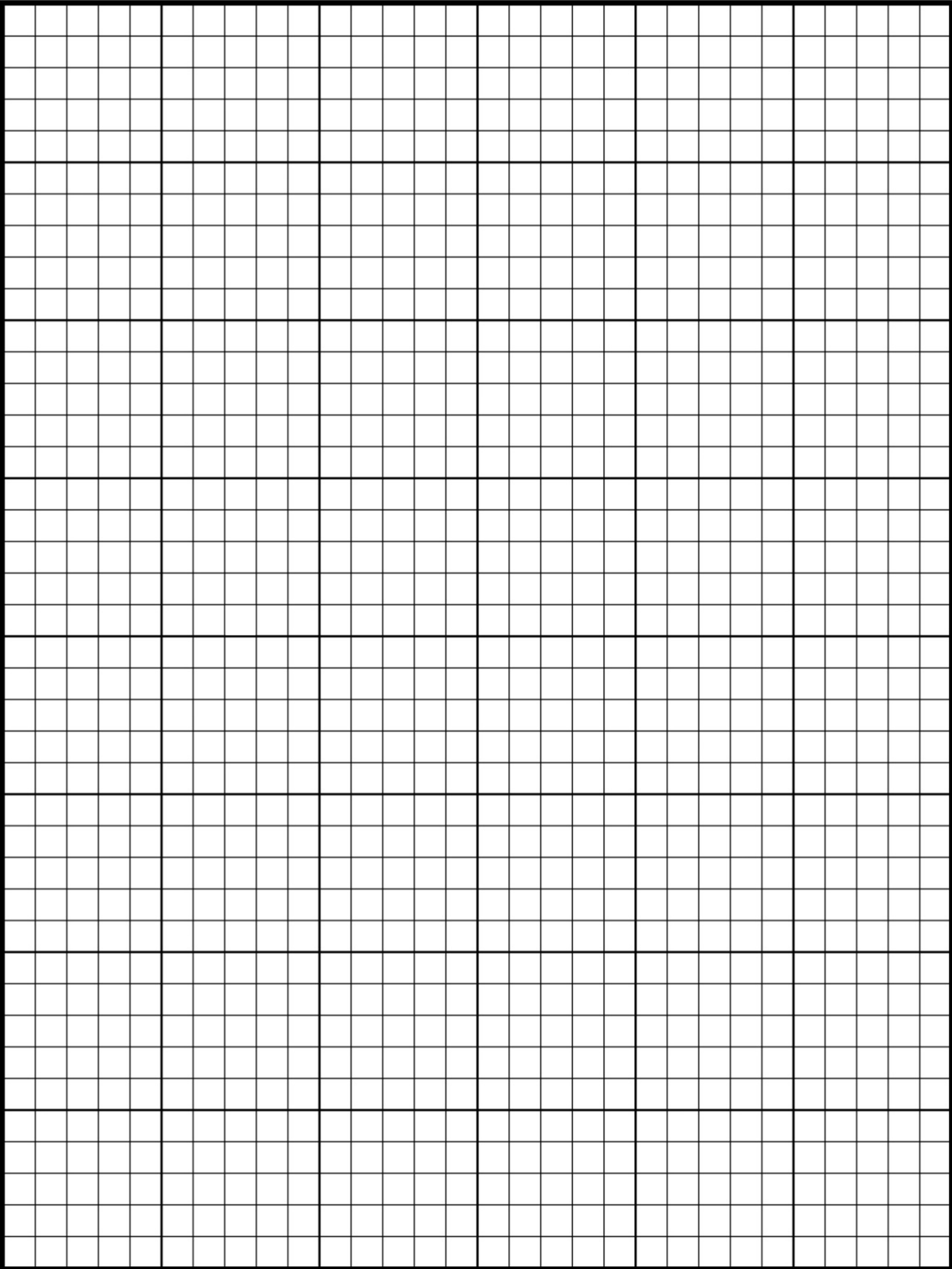
1 yd² of cement = \$5.25 and 5 yd of fencing = \$12.00



Amusement Park Key

<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____







Ride	Area	Perimeter





Ride	Area	Perimeter	Cost of Concrete	Cost of Fencing	Total Cost



Draw a picture of one of your rides.

Name of Ride: _____

Special Features of this Ride:

Recommended Age
for this Ride:



Draw a picture of your concession stand.

Menu:



Draw a picture of one of your games.

Object of game:

Prizes:



Why should we choose your park?

Write a letter to Car, Nee, & Val Entertainment and the Roller and Coaster Bros. Explain why they should choose your design for the park. Justify the choices you made by explaining why they are the best fit for the families of our community. Use the picture below to help you format your business letter.

Address:

Car, Nee, & Val Ent.

Roller and Coaster Bros.

123 Super Slide Way

Thrilling, NJ 08241

1234 Elm Street
New York, NY 10980 } Heading (Your Address)

March 5, 2015 } Date

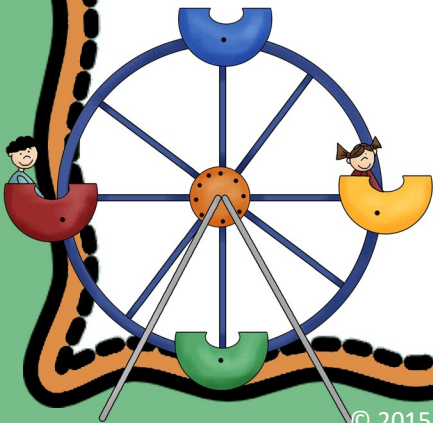
Mr. Joe Smith
5678 Spruce Street
New York, NY 10980 } Name & Address of Person
Receiving the Letter

Dear Mr. Smith, } Greeting

[Body of the Letter]

Sincerely, } Closing

Sarah Smalls } signature
Sarah Smalls

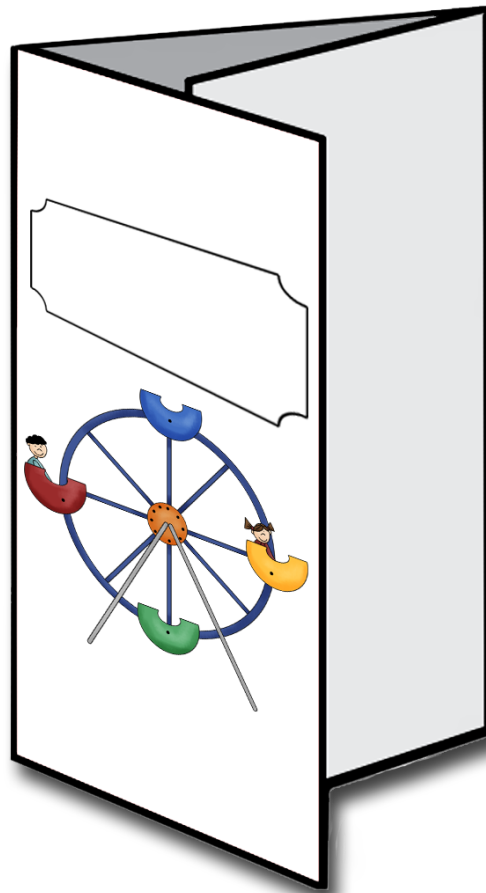




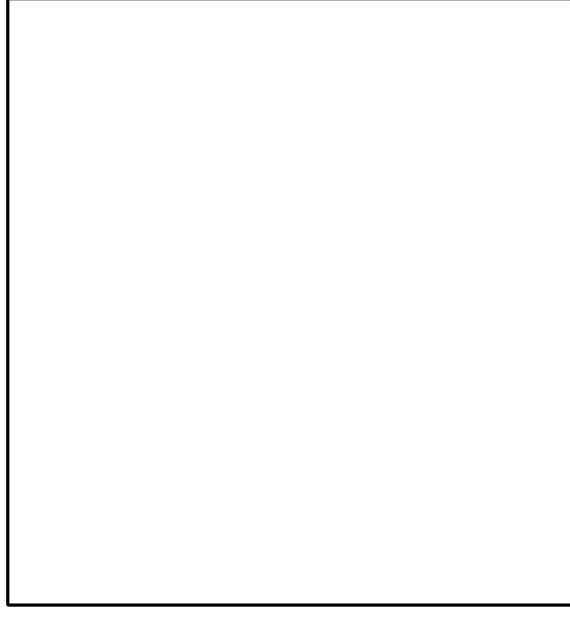
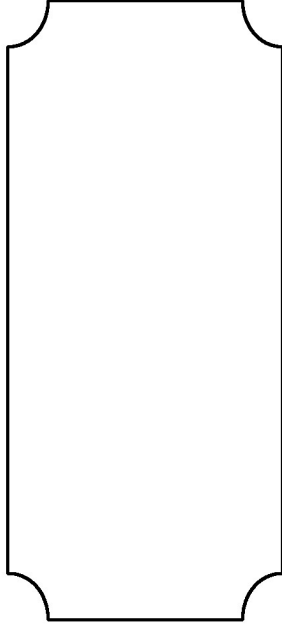
A series of horizontal lines for writing, organized into two sections. The first section on the left contains 10 lines. The second section on the right contains 20 lines.

Advertise!

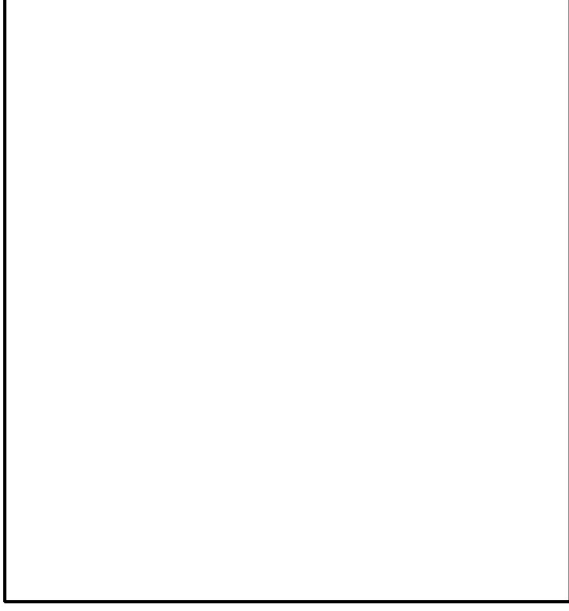
Brochures are a great way to advertise the incredible theme park you have just designed! Create one that showcases the awesome rides, games, and snacks available at your park. Include colorful pictures and detailed descriptions so folks can really get an idea of all the fun your park has to offer. Be sure to include the park's name and address on the front so people can find it!



Car, Nee, and Val Entertainment
present

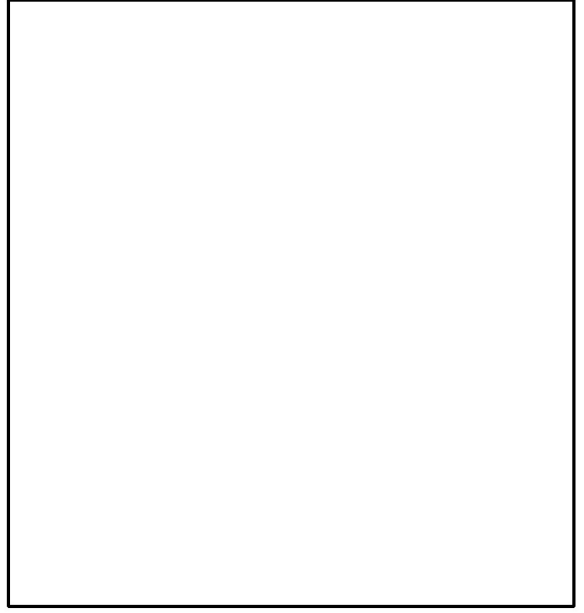


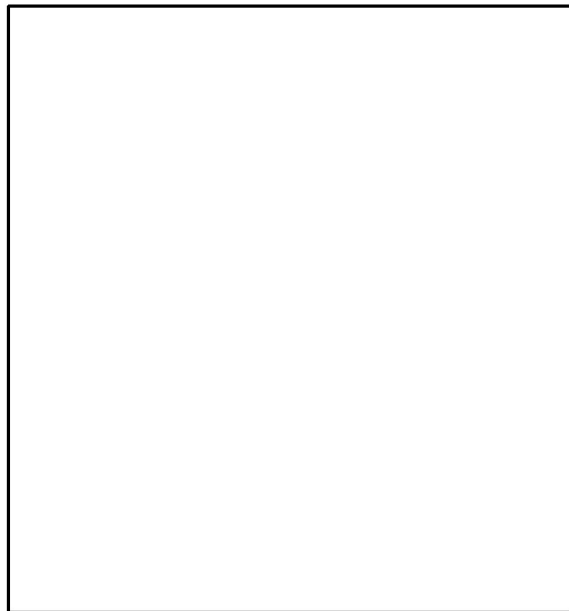
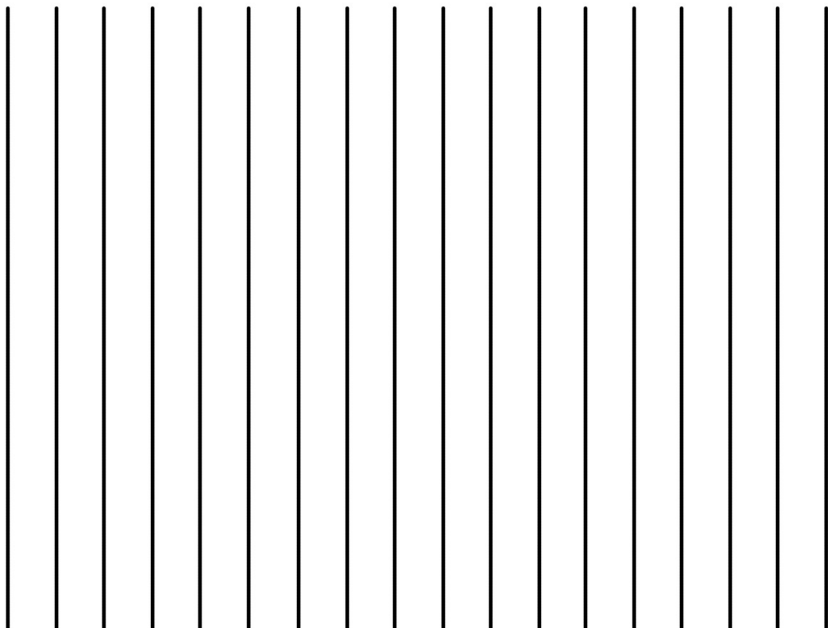
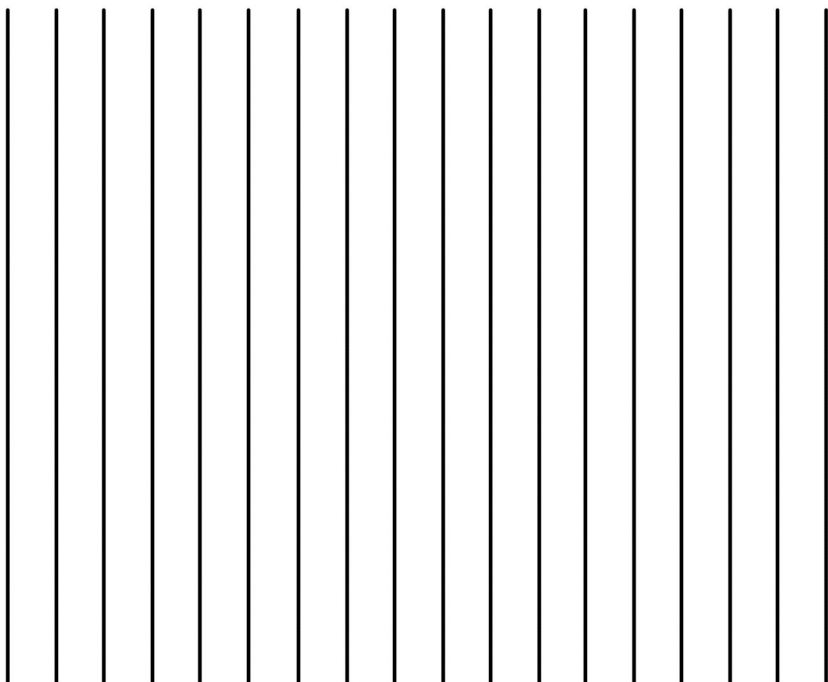
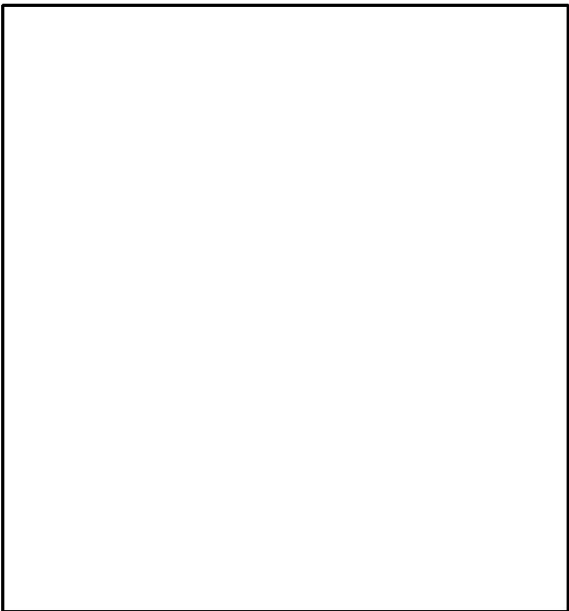
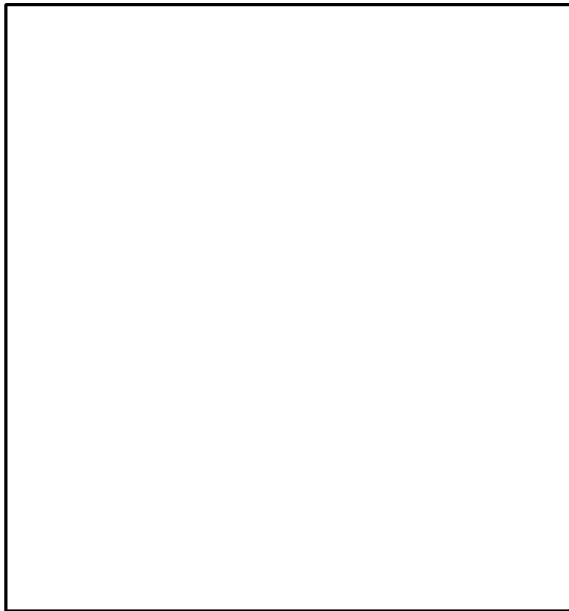
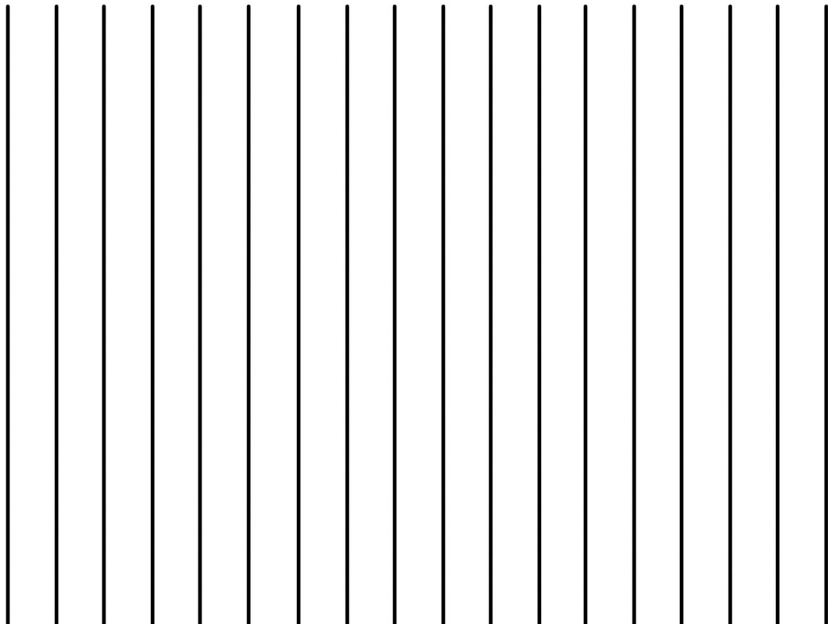
A Roller & Coaster Bros. Enterprise



A series of 20 vertical lines for writing, arranged in two columns of 10 lines each.

A series of 20 vertical lines for writing, arranged in two columns of 10 lines each.





Internet Resources to help you plan:

A list of various amusement park rides:

http://en.wikipedia.org/wiki/List_of_amusement_rides

Ideas about amusement park ride design:

<http://www.learner.org/interactives/parkphysics/index.html>

<http://www.funderstanding.com/coaster>

Awesome Theme Parks for Inspiration:

Dutch Wonderland website: <http://www.dutchwonderland.com/>

Hershey Park Website: <http://www.hersheypa.com/>

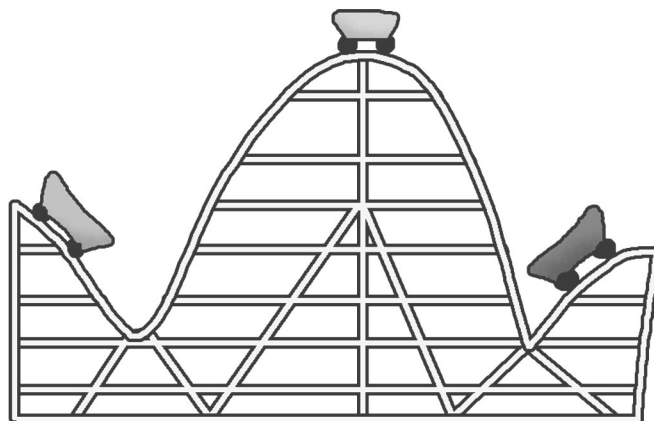
Six Flags: <https://www.sixflags.com/>

Dorney Park: <https://www.dorneypark.com/>

Disney World: <http://disneyworld.disney.go.com/parks/>



MIDWAY



The **THEME PARK PROJECT**



PROJECT PACK

Name: _____

Date: _____

Class/Period: _____

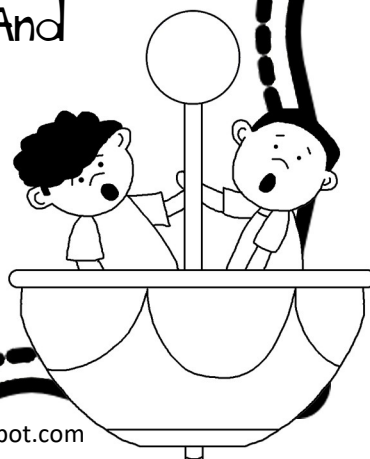
Introduction

Greetings! Car, Nee, & Val Entertainment, in conjunction with Roller and Coaster Bros. Developers, are in negotiations to develop a new theme park right here in our hometown!! This theme park is going to have it all: whirling, twirling, mind-swirling rides, scrum-deedle-i-umptious snacks, and glorious games galore! A most definite good time for folks of all ages!

Before construction on the project can begin, our Chamber of Commerce wants to see a design plan of this new theme park. The developers have asked local kids to submit their ideas for how this park should look.

Task

Your job is to create the theme park of your dreams with the hope that Ms. Car, Mrs. Nee, and Mr. Val, along with the Roller and Coaster brothers, will pick your design for the new park. Your park must include rides, like perilous, puke-producing coasters, lazy, lulling log flumes, and marvelous merry-go-rounds. You also must have concession stands, serving your favorite park fare, like fabulous funnel cake, creamy ice cream cones, and humungous hot dogs. And don't forget to add some fun, fast-paced carnival games!

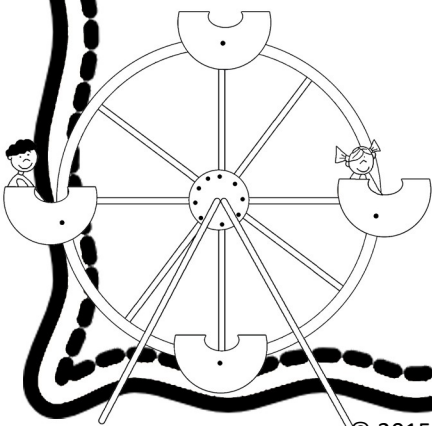


Theme Park Requirements

- Your park must be rectangular with dimensions 400 yards X 300 yards.
- Your park must contain at least five rides. These rides must appeal to families of all ages, so you need fast rides as well as “kiddie” rides.
- Your park must have at least one information booth and one restroom.
- You must have at least one concession stand and one eating area.
- Games and a gift shop are optional.
- All rides, concession stands, game booths, information booths, eating areas and restrooms must be built on a rectangular cement pad and fenced in.

Project Requirements

- You must provide a colored map of your theme park on the provided grid paper with a key.
- You must give the area and perimeter for every ride, concession stand, game, eating area, restroom, information booth, and gift shop in your park.



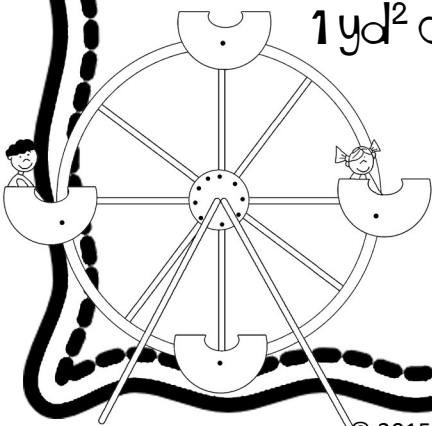
Theme Park Requirements

- Your park must be rectangular with dimensions 400 yards X 300 yards.
- Your park must contain at least five rides. These rides must appeal to families of all ages, so you need fast rides as well as “kiddie” rides.
- Your park must have at least one information booth and one restroom.
- You must have at least one concession stand and one eating area.
- Games and a gift shop are optional.
- All rides, concession stands, game booths, information booths, eating areas and restrooms must be built on a cement pad and fenced in.

Project Requirements

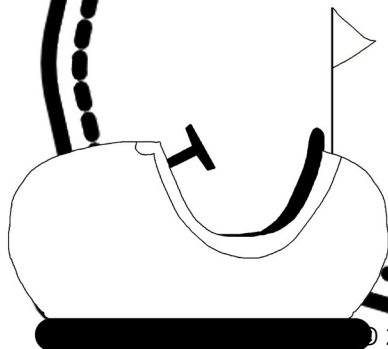
- You must provide a colored map of your theme park on the provided grid paper with a key.
- You must give the area and perimeter for every ride, concession stand, game, eating area, restroom, information booth, and gift shop in your park. You also need to provide the price to cement and fence each area.

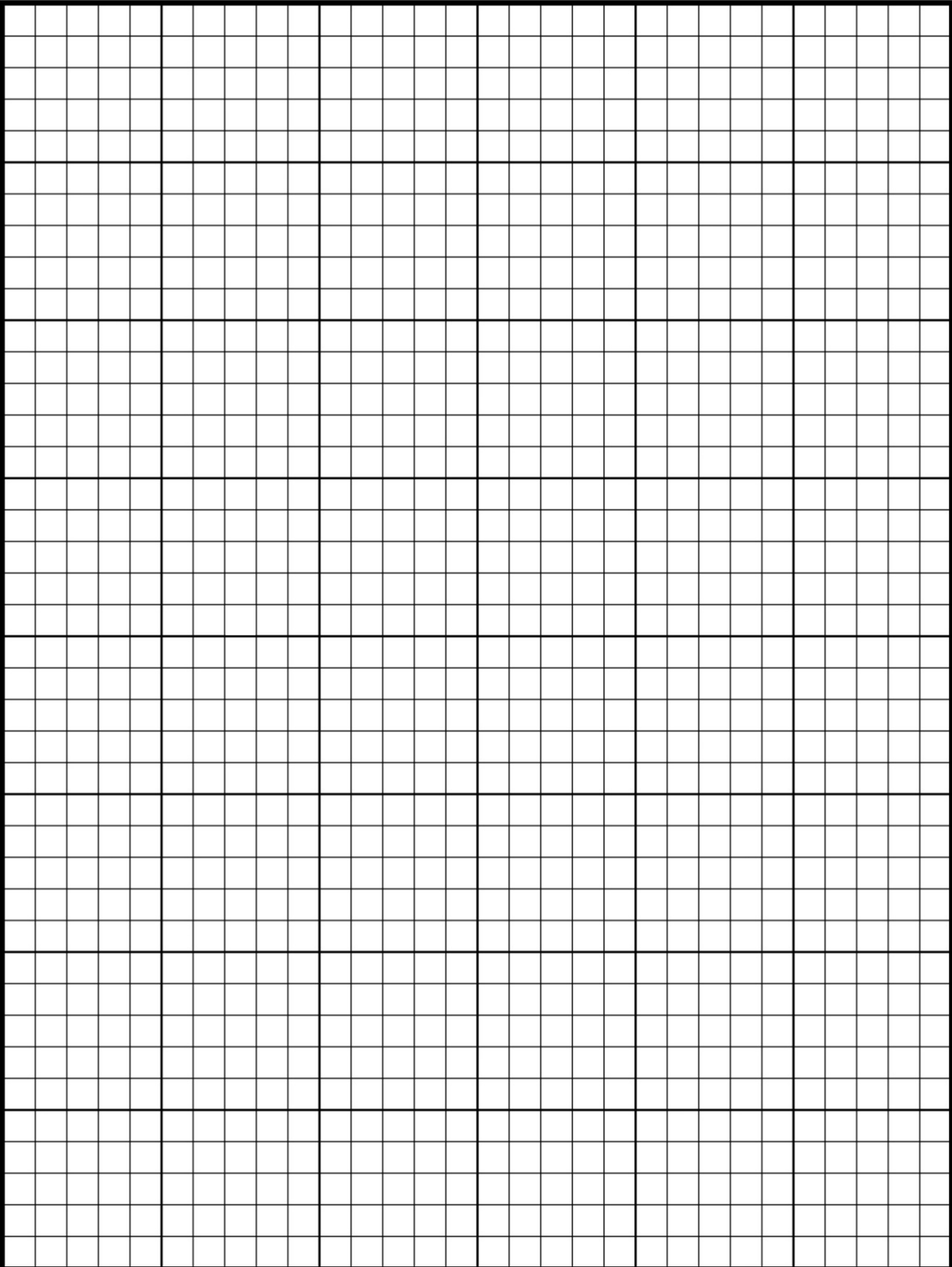
1 yd² of cement = \$5.25 and 5 yd of fencing = \$12.00



Amusement Park Key

<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____
<input type="checkbox"/>	=	_____





MIDWAY
RIDE

MAY
MES

Ride	Area	Perimeter

Project

A



Ride	Area	Perimeter	Cost of Concrete	Cost of Fencing	Total Cost
Sample: The Merry-Go-Round	144 yds ²	48 yds	144 x \$5.25 = \$756	$48 \div 5 = 9.6$ $9.6 \times \$12.00 = \115.20	$\$756 + \$115.20 =$ \$871.20

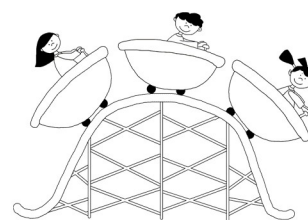


Draw a picture of one of your rides.

Name of Ride: _____

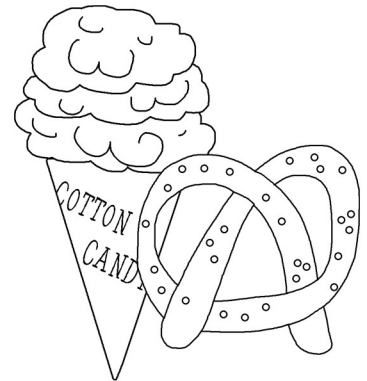
Special Features of this Ride:

Recommended Age
for this Ride:



Draw a picture of your concession stand.

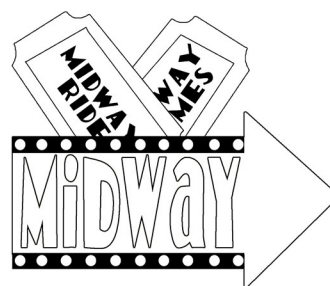
Menu:



Draw a picture of one of your games.

Object of game:

Prizes:



Why should we choose your park?

Write a letter to Car, Nee, & Val Entertainment and the Roller and Coaster Bros. Explain why they should choose your design for the park. Justify the choices you made by explaining why they are the best fit for the families of our community. Use the picture below to help you format your business letter.

Address:

Car, Nee, & Val Ent.

Roller and Coaster
Bros.

123 Super Slide Way

Thrilling, NJ 08241

1234 Elm Street
New York, NY 10980 } Heading (Your Address)

March 5, 2015 } Date

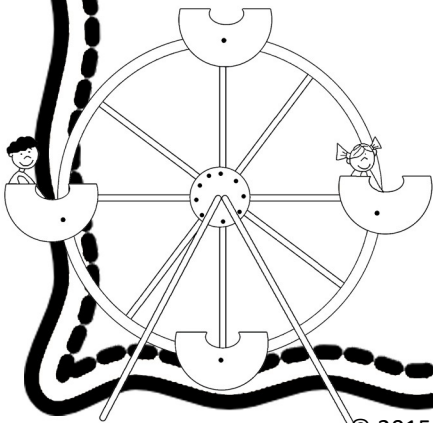
Mr. Joe Smith
5678 Spruce Street
New York, NY 10980 } Name & Address of Person
Receiving the Letter

Dear Mr. Smith, } Greeting

[Body of the Letter]

Sincerely, } Closing

Sarah Smalls
Sarah Smalls } Signature

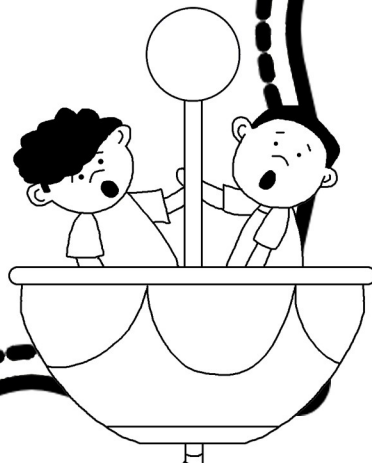
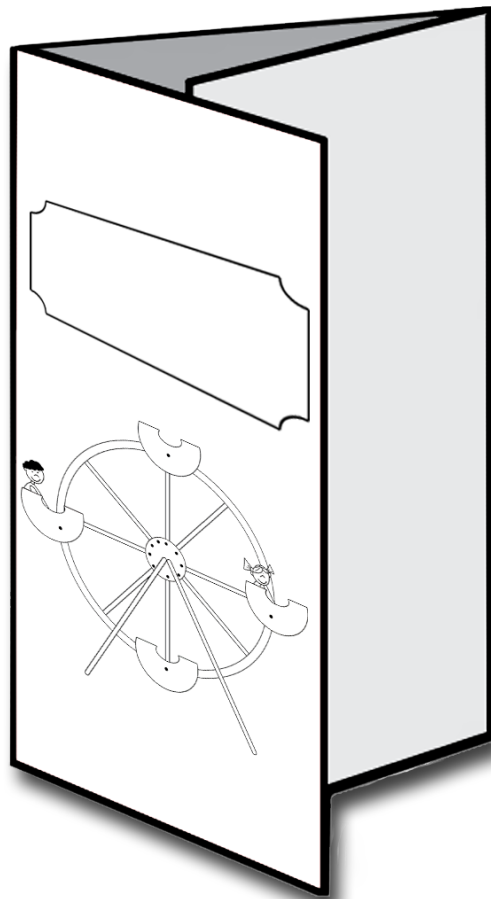




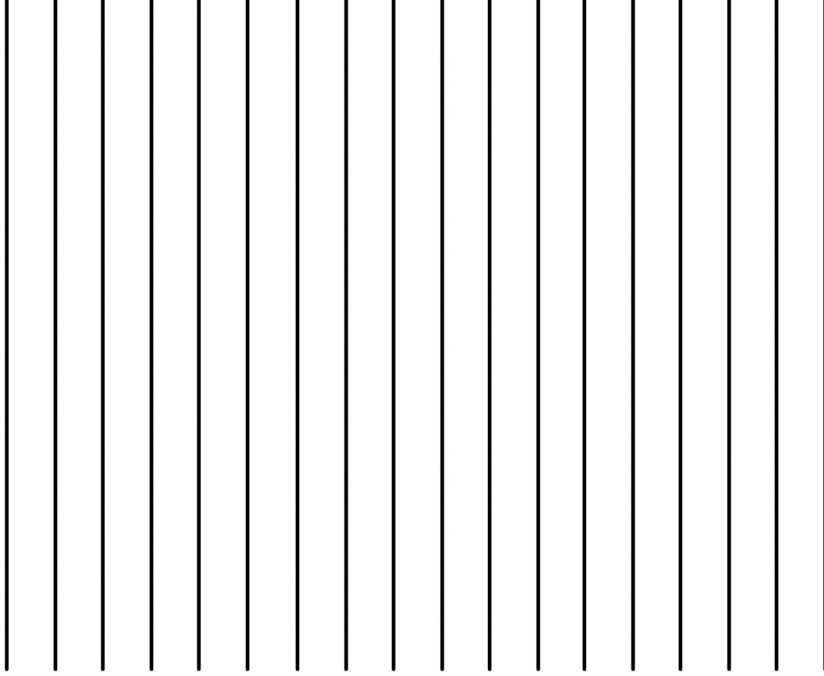
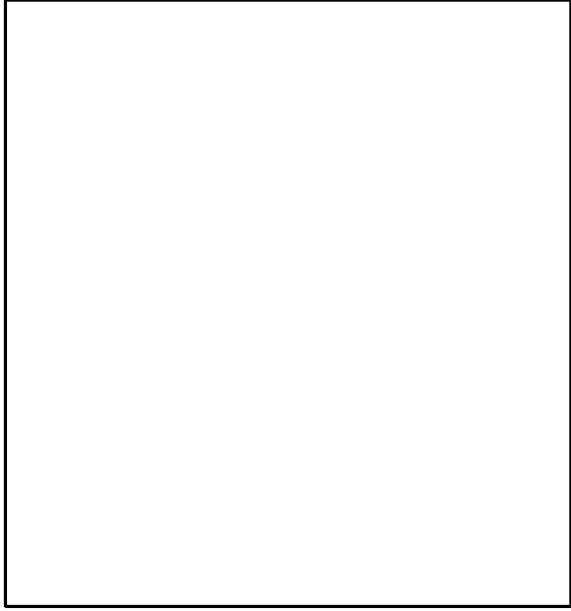
A series of horizontal lines for writing, organized into three sections. The first section on the left has 6 lines. The second section on the right has 10 lines. The third section at the bottom has 2 lines.

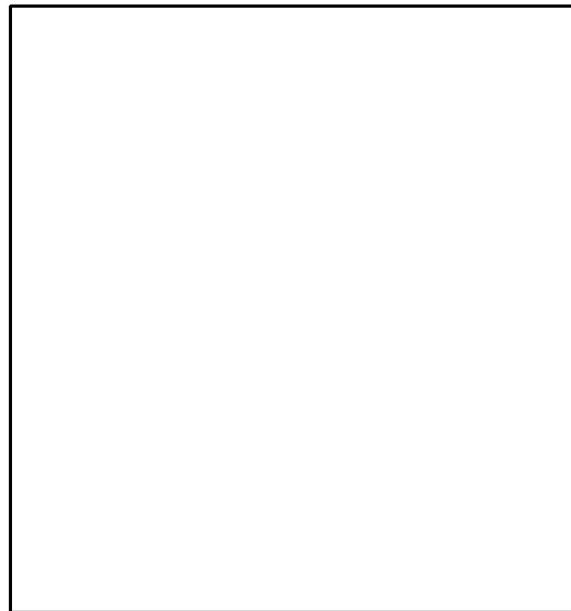
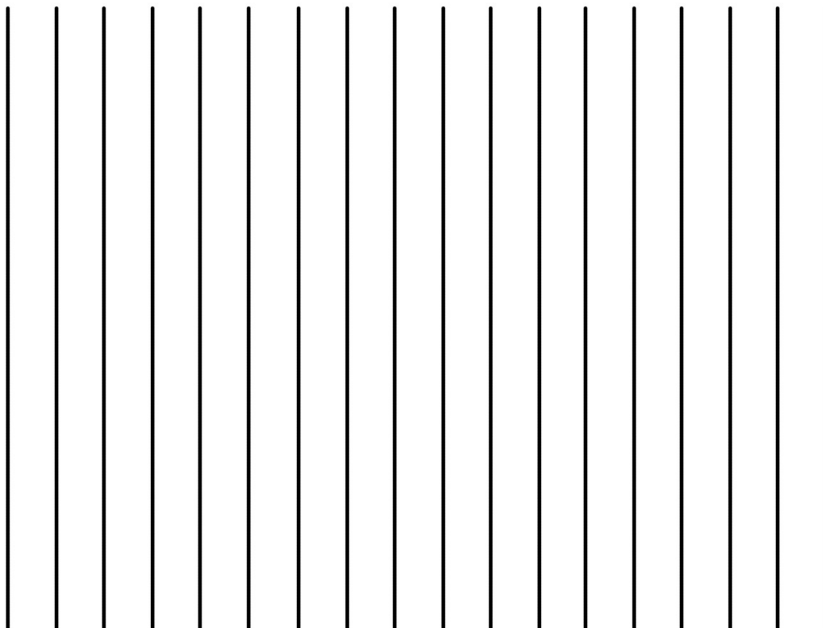
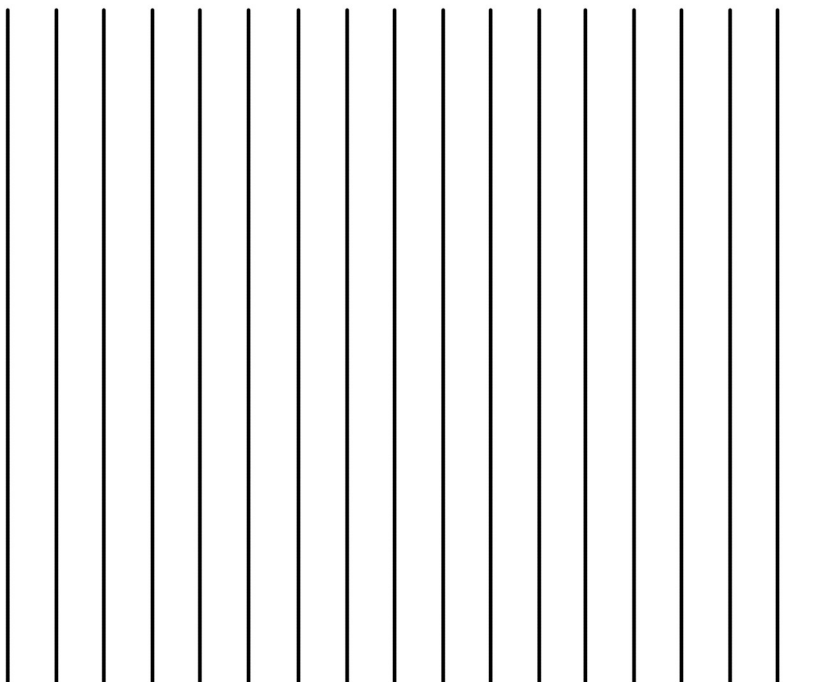
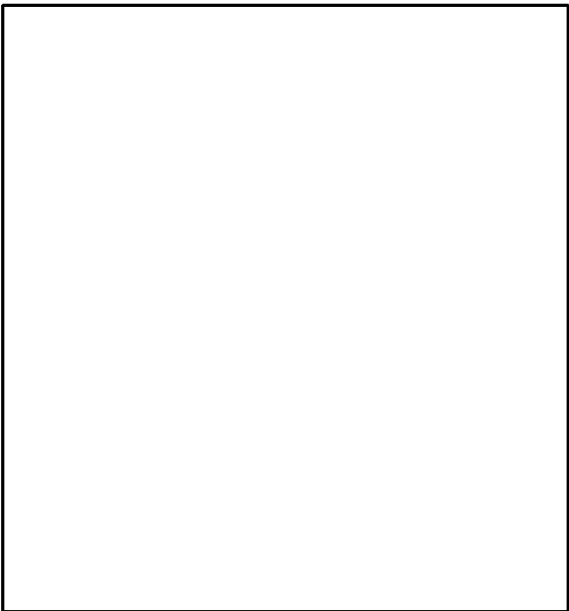
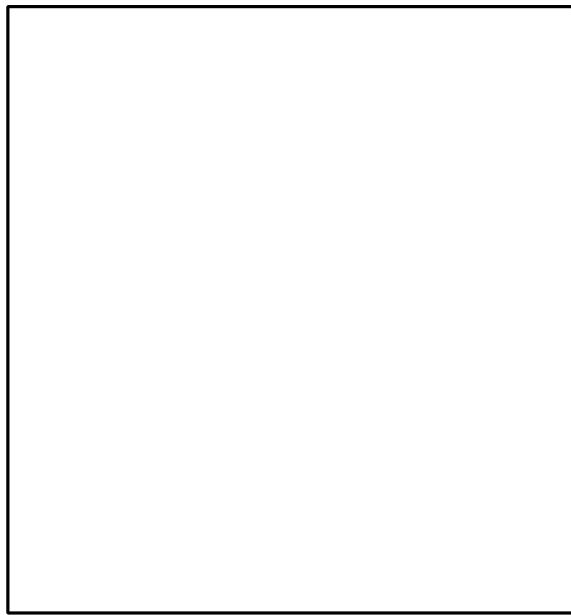
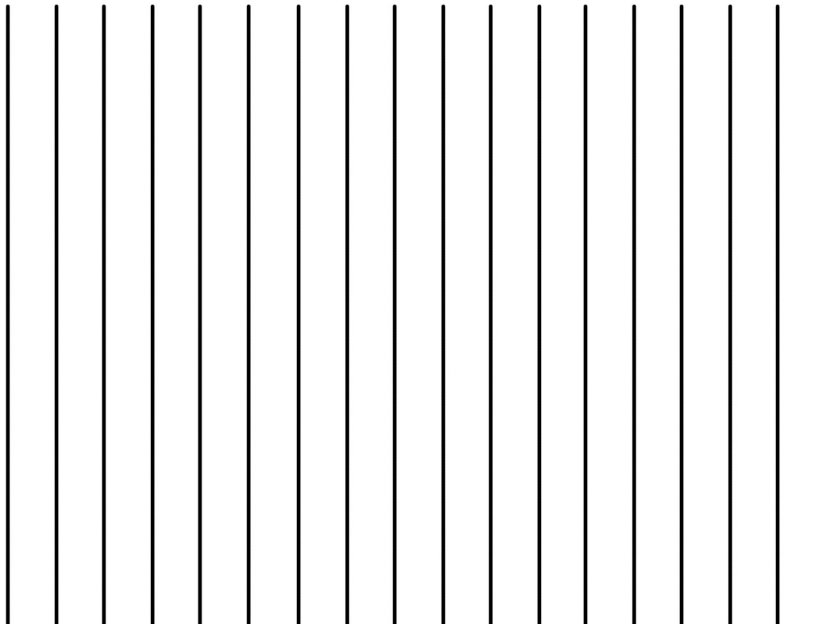
Advertise!

Brochures are a great way to advertise the incredible theme park you have just designed! Create one that showcases the awesome rides, games, and snacks available at your park. Include colorful pictures and detailed descriptions so folks can really get an idea of all the fun your park has to offer. Be sure to include the park's name and address on the front so people can find it!



This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slightly textured appearance and is set against a dark background.





Internet Resources to help you plan:

A list of various amusement park rides:

http://en.wikipedia.org/wiki/List_of_amusement_rides

Ideas about amusement park ride design:

<http://www.learner.org/interactives/parkphysics/index.html>

<http://www.funderstanding.com/coaster>

Awesome Theme Parks for Inspiration:

Dutch Wonderland website: <http://www.dutchwonderland.com/>

Hershey Park Website: <http://www.hersheypa.com/>

Six Flags: <https://www.sixflags.com/>

Dorney Park: <https://www.dorneypark.com/>

Disney World: <http://disneyworld.disney.go.com/parks/>



Rubric

CATEGORY	4	3	2	1
Neatness & Organization	The product is exceptionally neat and well-organized.	The product is neat and well-organized.	The product is somewhat neat and there is an attempt to organize information, but some parts are difficult to understand.	This product is sloppy and poorly organized, making it difficult to understand.
Required Elements	The product includes all required elements as well as additional information.	All required elements are included in this product.	All but 1 of the required elements are included in this product.	Several required elements were missing.
Mathematical Errors	90-100% of the steps and solutions have no mathematical errors.	Almost all (85-89%) of the steps and solutions have no mathematical errors.	Most (75-84%) of the steps and solutions have no mathematical errors.	More than 75% of the steps and solutions have mathematical errors.
Completion	All problems are completed.	All but one of the problems are completed.	All but two of the problems are completed.	Several of the problems are not completed.

