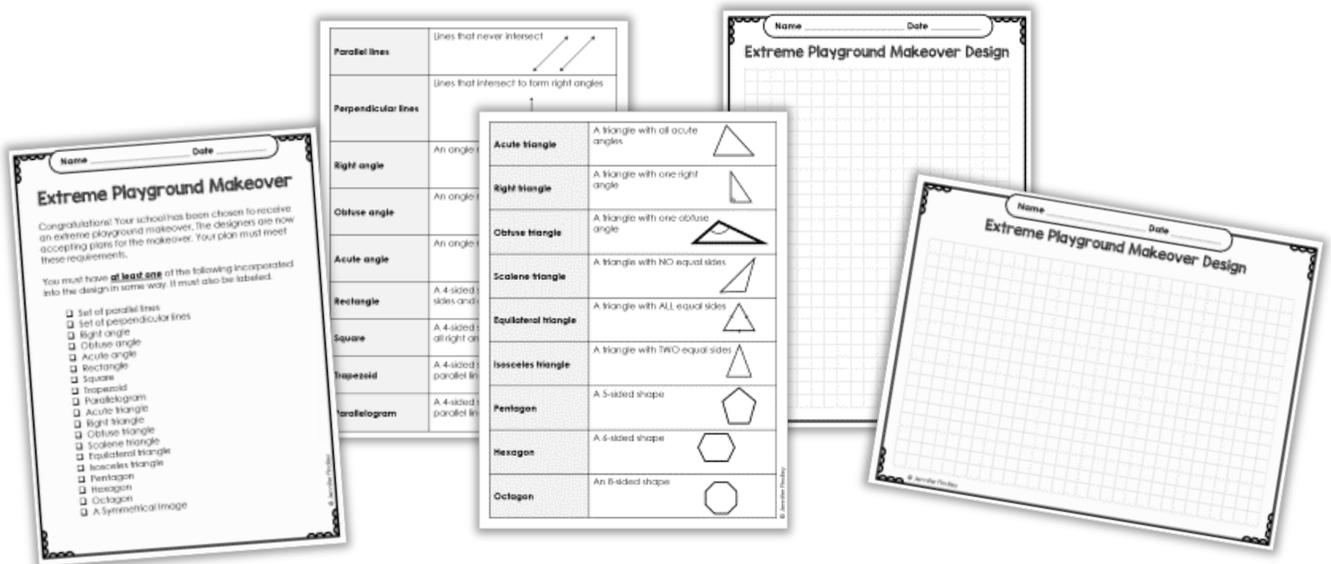


Extreme Playground Makeover Activity

Inspired by the television show the *Extreme Makeover: Home Edition*, this activity puts your students in charge of designing a new playground.

The catch? They have to use geometric shapes and elements in their design incorporated into their playground features.



The **printable directions**, **geometry reference pages**, and **blueprint printables** are available on pages 6-12 of this PDF. Examples can be found on pages 4-5. Digital access is on page 3.

Click here to read a blog post about the activity.

Looking for **MORE** End of the Year Resources?

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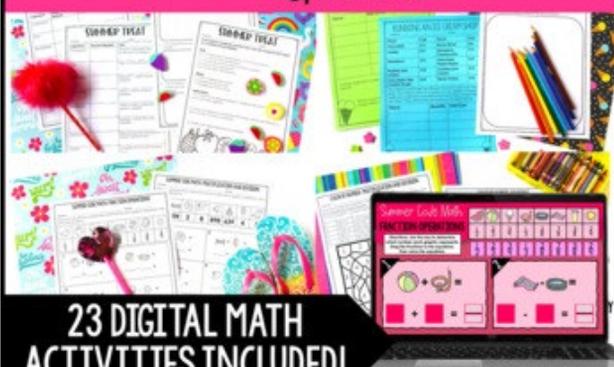


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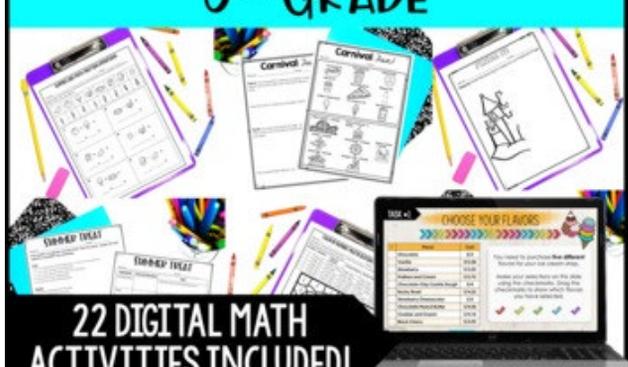
4TH GRADE



**23 DIGITAL MATH
ACTIVITIES INCLUDED!**

END OF THE YEAR MATH ACTIVITIES

5TH GRADE



**22 DIGITAL MATH
ACTIVITIES INCLUDED!**

Digital Access

If you want to assign this activity digitally, check out this Google Slides version!



Extreme Playground Makeover

Congratulations! Your school has been chosen to receive an extreme playground makeover. The designers are now accepting plans for the makeover. Your plan must meet the requirements below.

Must have at least one of the following incorporated into your design in some way. It must also be labeled.

- Set of parallel lines
- Set of perpendicular lines
- Right angle
- Obtuse angle
- Acute angle
- Rectangle
- Square
- Trapezoid
- Parallelogram
- Acute triangle
- Right triangle
- Obtuse triangle
- Scalene triangle
- Equilateral triangle
- Isosceles triangle
- Pentagon
- Hexagon
- Octagon
- A Symmetrical Image

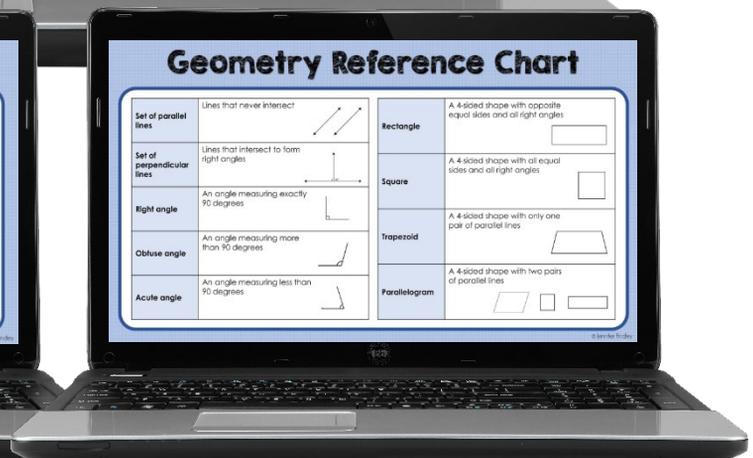


© Jennifer Findley



My Extreme Playground Design

A large empty rectangular box for drawing the playground design.



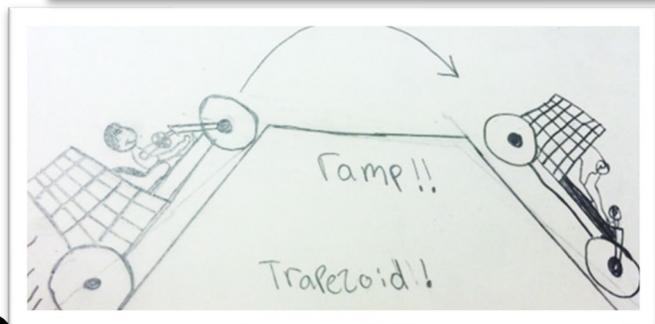
Geometry Reference Chart

Set of parallel lines	Lines that never intersect		Rectangle	A 4-sided shape with opposite equal sides and all right angles	
Set of perpendicular lines	Lines that intersect to form right angles		Square	A 4-sided shape with all equal sides and all right angles	
Right angle	An angle measuring exactly 90 degrees		Trapezoid	A 4-sided shape with only one pair of parallel lines	
Obtuse angle	An angle measuring more than 90 degrees		Parallelogram	A 4-sided shape with two pairs of parallel lines	
Acute angle	An angle measuring less than 90 degrees				

[Click here for digital access](#)

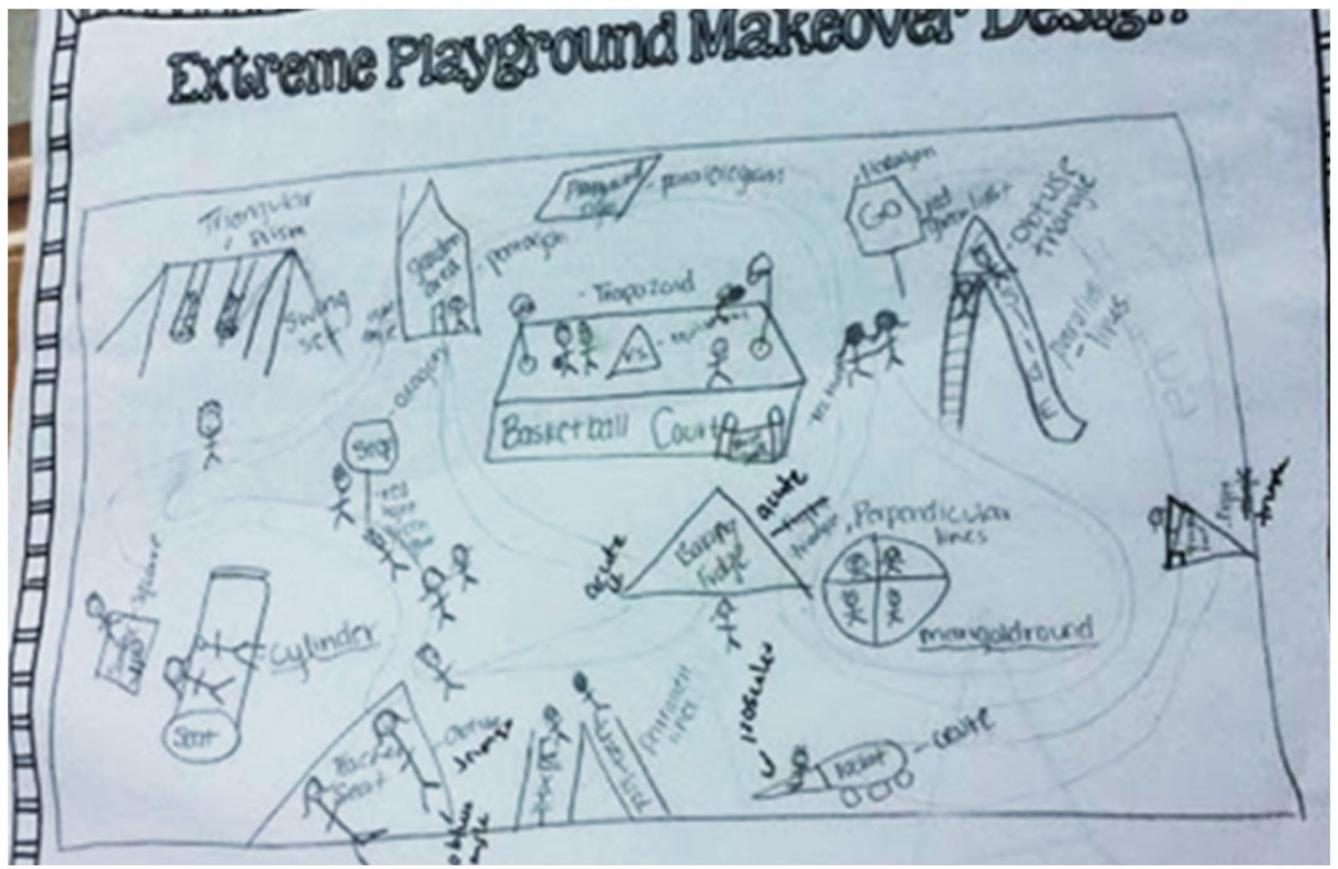
Examples

You may use this example to guide your introduction of the activity. I typically don't provide too many examples because I find that my students are often far more creative when I don't. However, these can also be used to support students who need to see examples.



Example

You may use this example to guide your introduction of the activity. I typically don't provide too many examples because I find that my students are often far more creative when I don't. However, these can also be used to support students who need to see examples.



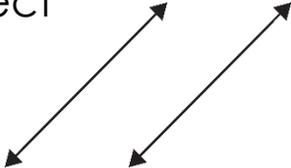
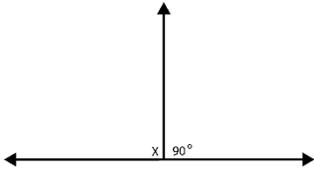
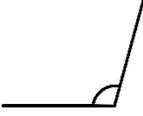
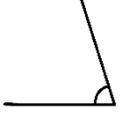
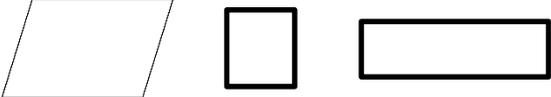
Name _____ Date _____

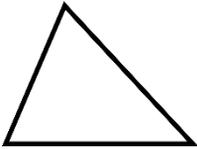
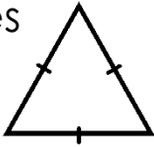
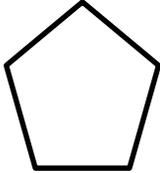
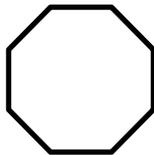
Extreme Playground Makeover

Congratulations! Your school has been chosen to receive an extreme playground makeover. The designers are now accepting plans for the makeover. Your plan must meet these requirements.

You must have **at least one** of the following incorporated into the design in some way. It must also be labeled.

- Set of parallel lines
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- Right angle
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- Acute angle
- Rectangle
- Square
- Trapezoid
- Parallelogram
- Acute triangle
- Right triangle
- Obtuse triangle
- Scalene triangle
- Equilateral triangle
- Isosceles triangle
- Pentagon
- Hexagon
- Octagon
- A Symmetrical Image

<p>Parallel lines</p>	<p>Lines that never intersect</p> 
<p>Perpendicular lines</p>	<p>Lines that intersect to form right angles</p> 
<p>Right angle</p>	<p>An angle measuring exactly 90 degrees</p> 
<p>Obtuse angle</p>	<p>An angle measuring more 90 degrees</p> 
<p>Acute angle</p>	<p>An angle measuring less 90 degrees</p> 
<p>Rectangle</p>	<p>A 4-sided shape with opposite equal sides and all right angles</p> 
<p>Square</p>	<p>A 4-sided shape with all equal sides and all right angles</p> 
<p>Trapezoid</p>	<p>A 4-sided shape with only one pair of parallel lines</p> 
<p>Parallelogram</p>	<p>A 4-sided shape with two pairs of parallel lines</p> 

Acute triangle	A triangle with all acute angles	
Right triangle	A triangle with one right angle	
Obtuse triangle	A triangle with one obtuse angle	
Scalene triangle	A triangle with NO equal sides	
Equilateral triangle	A triangle with ALL equal sides	
Isosceles triangle	A triangle with TWO equal sides	
Pentagon	A 5-sided shape	
Hexagon	A 6-sided shape	
Octagon	An 8-sided shape	

Name _____ Date _____

Extreme Playground Makeover Design

Name _____

Date _____

Extreme Playground Makeover Design

Name _____ Date _____

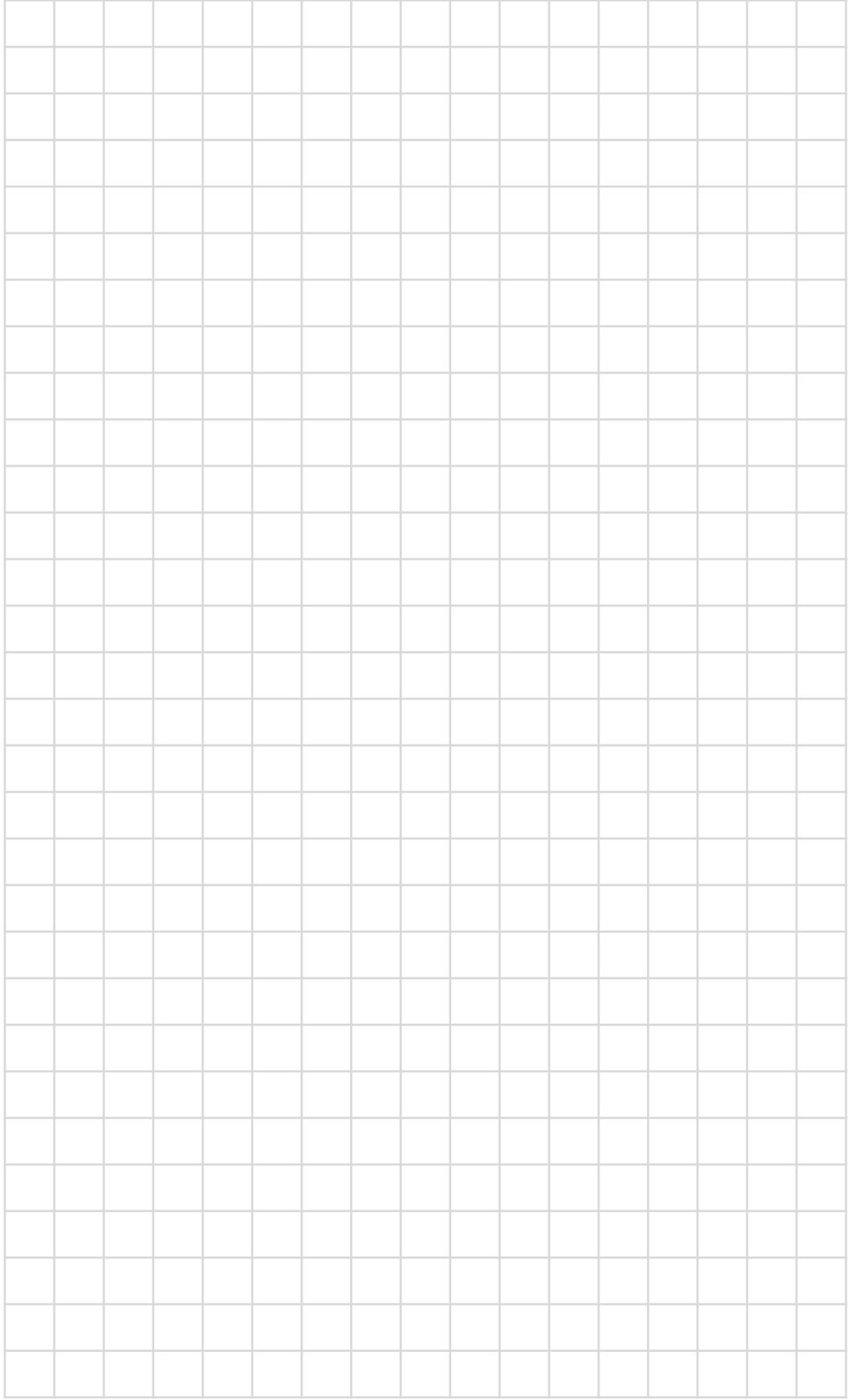
Extreme Playground Makeover Design

A large grid of 20 columns and 30 rows, intended for drawing a playground design.

Name _____

Date _____

Extreme Playground Makeover Design



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