

# MAGFORMERS®

Intelligent Magnetic Construction Set For Brain Development



**LANDMARK SET**  
idea booklet

Step-by-step instructions  
for building 8 different  
Magformers creations

# POSSIBLE BUILDS

# PIECES INCLUDED

Leaning Tower of Pisa ..... Page 4

Space Needle ..... Page 5

Eiffel Tower ..... Pages 6-7

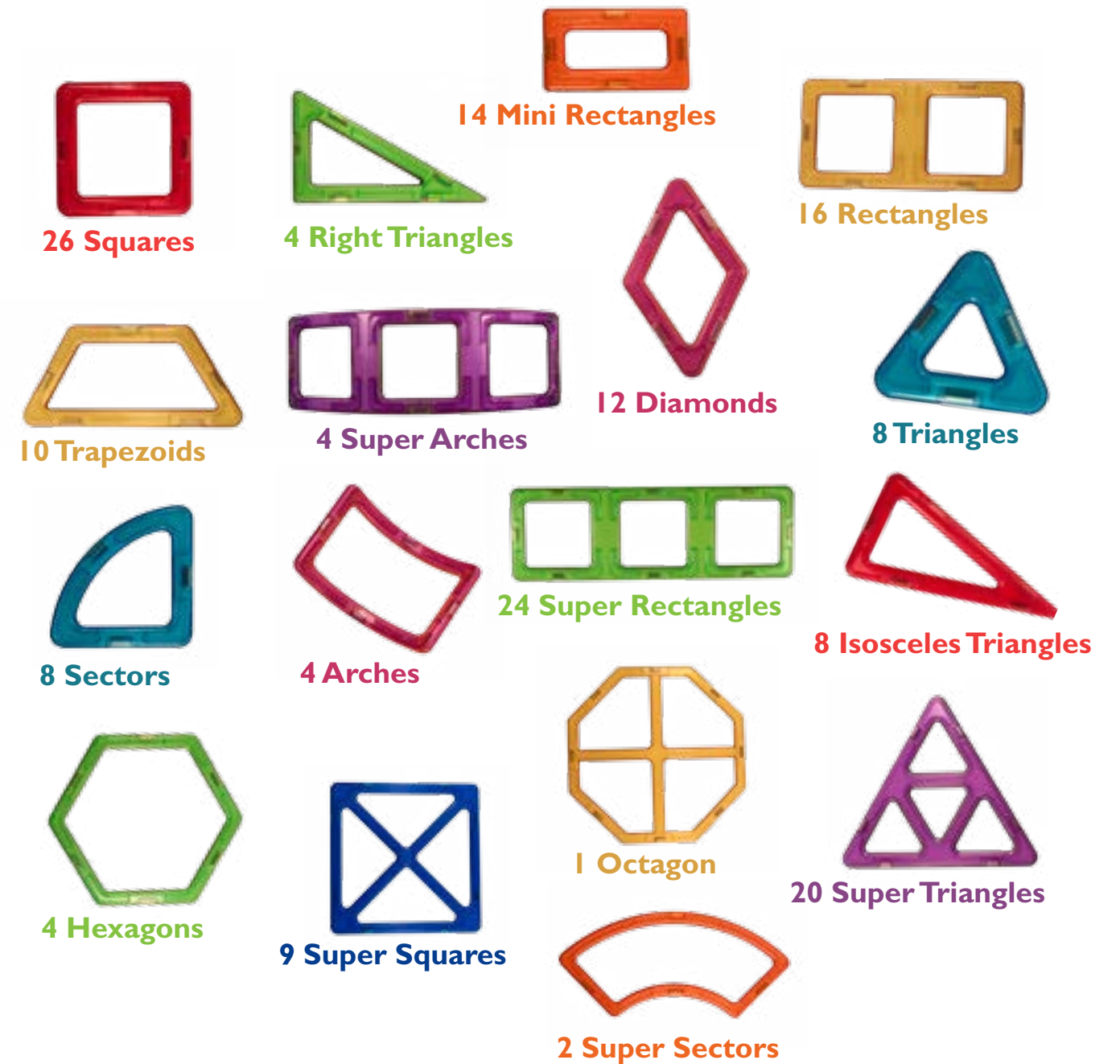
Empire State Building ..... Pages 8-9

Sydney Opera House ..... Page 10

Great Pyramid ..... Page 11

Golden Gate Bridge ..... Pages 12-13

Tower Bridge..... Pages 14-15



# LEANING TOWER

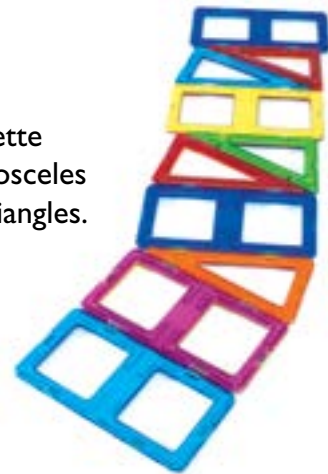
*Pisa, Italy*

## PIECES REQUIRED:



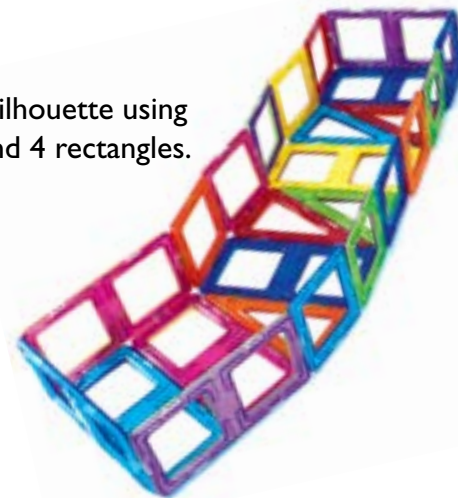
### STEP 1

First create the silhouette using 5 rectangles, 3 isosceles triangles and 2 right triangles.



### STEP 2

Outline the silhouette using 11 squares and 4 rectangles.



### STEP 3

Repeat step one of top of the outline, creating a solid shape.



### STEP 4

Stand up your Leaning Tower of Pisa. Be careful to balance it before you let go! Use 5 more squares to create a cube without a bottom and add it to the top!



# SPACE NEEDLE

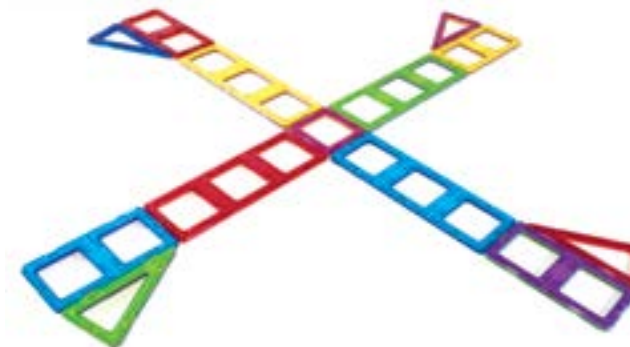
*Seattle, Washington*

## PIECES REQUIRED:



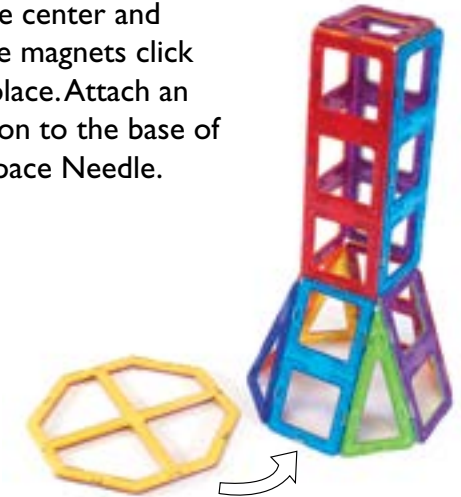
### STEP 1

Lay out one square with 4 super rectangles, 4 rectangles and 4 isosceles triangles radiating from the center.



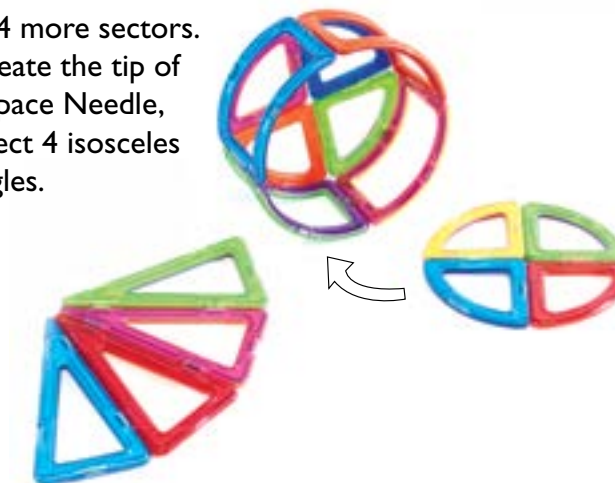
### STEP 2

Pull upward from the square center and let the magnets click into place. Attach an octagon to the base of the Space Needle.



### STEP 3

Connect 4 sectors to form a circle and outline it with 4 arches. Fill in the circle with 4 more sectors. To create the tip of the Space Needle, connect 4 isosceles triangles.



### STEP 4

To finish your Space Needle, attach the cylinder to the top of the base. Then connect the needle to the top of the cylinder.



# EIFFEL TOWER

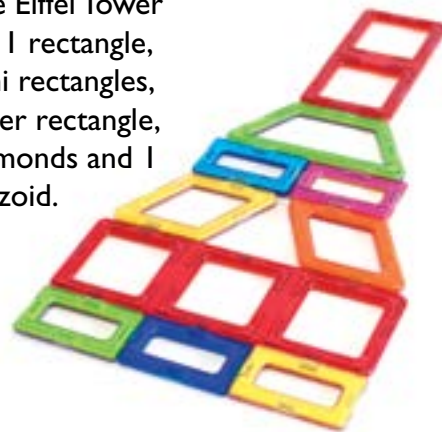
Paris, France

## PIECES REQUIRED:



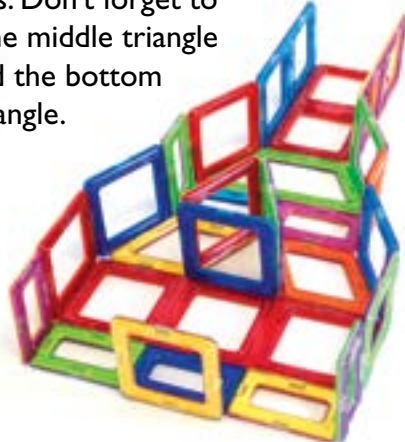
STEP 1

Start by laying out the silhouette of the top of the Eiffel Tower using 1 rectangle, 5 mini rectangles, 1 super rectangle, 2 diamonds and 1 trapezoid.



STEP 2

Outline the silhouette using 2 rectangles, 10 squares and 4 mini rectangles. Don't forget to outline the middle triangle shape and the bottom mini rectangle.



STEP 5

Outline the base using 8 rectangles and 6 squares, including the middle section next to the right triangles.



STEP 6

Repeat step four to fill in the outline, creating a solid base.



STEP 3

Repeat step one and fill in the outline to form a solid shape.



STEP 4

Lay out the base of the tower using 4 diamonds, 2 right triangles, 2 rectangles, 4 trapezoids, 4 triangles and 1 square.



STEP 7

Lay out the tip of the tower using four isosceles triangles. Connect the base and top of the tower to each other.



STEP 8

Finally, attach the tip to the very top of the Eiffel Tower.



# EMPIRE STATE BUILDING

New York City, New York, USA

## PIECES REQUIRED:



**STEP 1** Create the basic silhouette of the Empire State Building using 7 super rectangles and 3 rectangles.



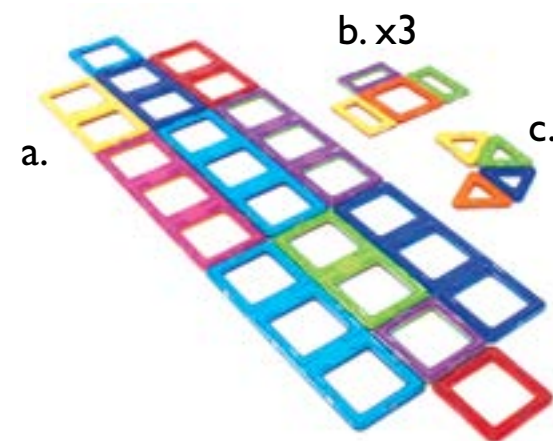
**STEP 2** Outline the silhouette using 7 super rectangles, 2 rectangles and 2 squares.



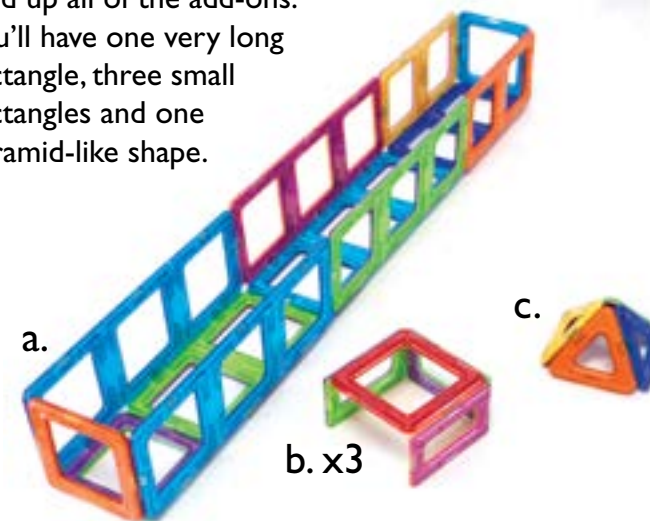
**STEP 3** Fill in the outline of the Empire State Building using 5 super rectangles and 6 rectangles.



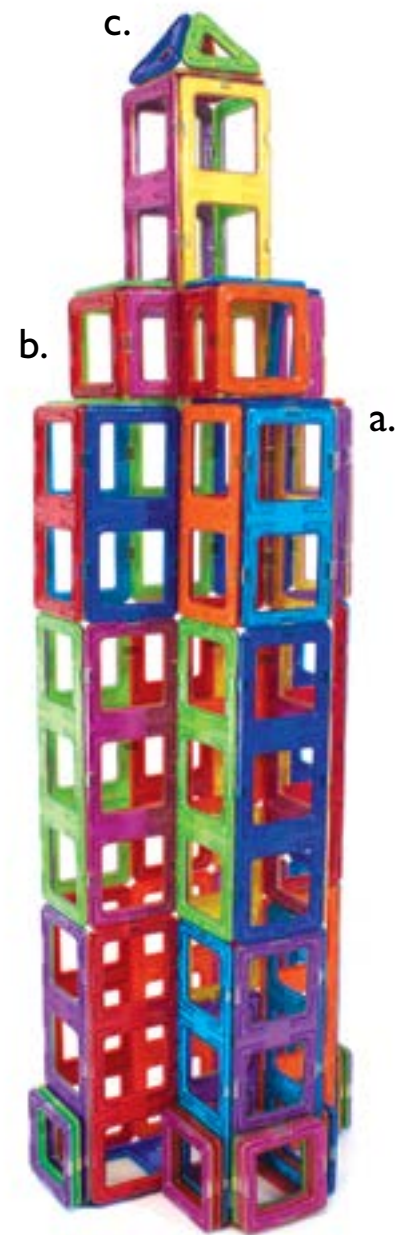
**STEP 4** Lay out the building's add-ons. The front of the building (a) contains 4 rectangles, 5 super rectangles and 3 squares. The upper level of the building (b) is made up of three sets of 3 mini rectangles connected to 1 square. The top of the building (c) is made of four triangles.



**STEP 5** Fold up all of the add-ons. You'll have one very long rectangle, three small rectangles and one pyramid-like shape.



**STEP 6** Attach the add-ons to the body of the Empire State Building. The long rectangle connects to the front middle of the building. The small rectangles (b) attach to the tops of the squares. And the pyramid (c) connects to the very top. Use an additional 10 squares in pairs to attach to the base as doorways.



# OPERA HOUSE

Sydney, Australia

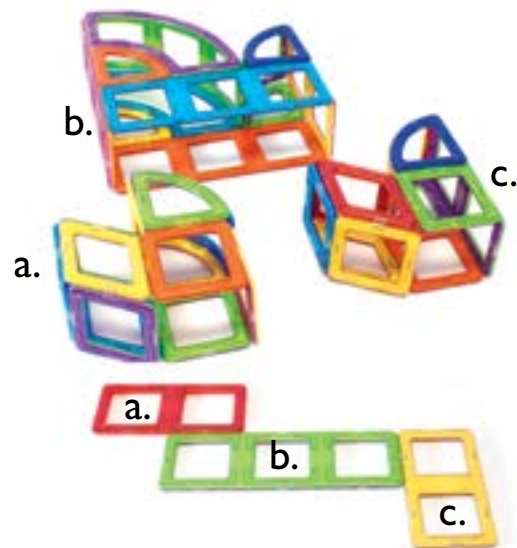
PIECES REQUIRED:



**STEP 1** Create the 3 main sections of the Opera House using 4 sectors, 1 super sector, 2 diamond, 2 squares and 1 super rectangle.



**STEP 3** Repeat step one on top of the outlines to create 3 solid shapes. Lay out the base by attaching 2 rectangles to 1 super rectangle.



**STEP 2** Outline the tops and sides of the shapes using 1 super arch, 1 super rectangle, 3 arches, 2 rectangles and 7 squares.



**STEP 4** Attach building (a) to base (a), building (b) to base (b), and building (c) to base (c).



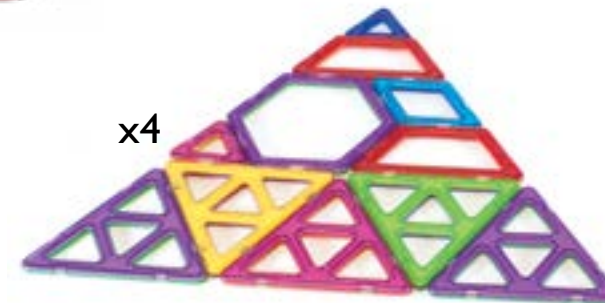
# GREAT PYRAMID

Giza, Egypt

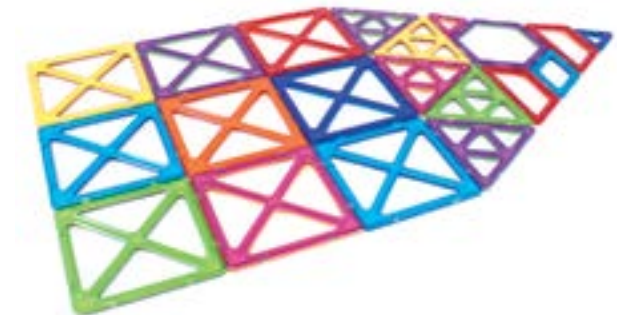
PIECES REQUIRED:



**STEP 1** Build the four sides of the pyramid using 5 super triangles, 2 trapezoids, 2 triangles and 1 diamond.



**STEP 2** Attach each of the triangles to a square base made up of 9 super squares.



**STEP 3** Fold up all of the sides carefully. The pyramid will not be stable until all four sides have been raised.



# GOLDEN GATE BRIDGE

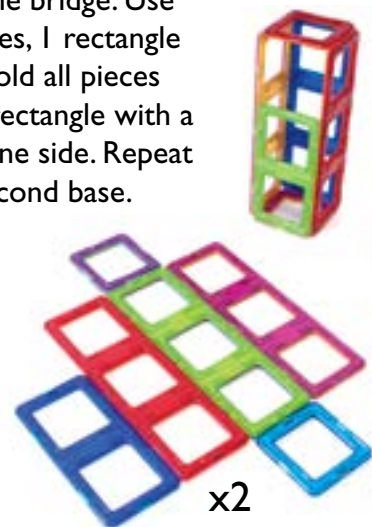
San Francisco, California

## PIECES REQUIRED:



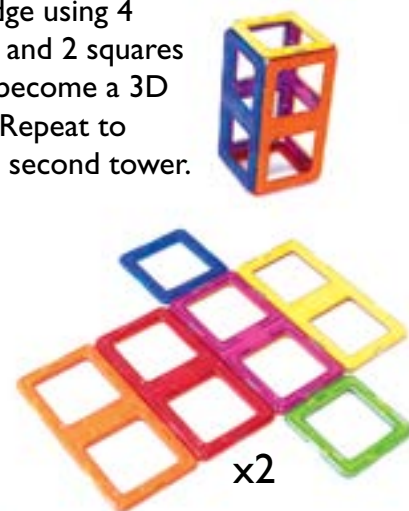
STEP 1

Begin by constructing the two base pieces of the bridge. Use 3 super rectangles, 1 rectangle and 2 squares. Fold all pieces to create a 3D rectangle with a square hole in one side. Repeat to create the second base.



STEP 2

Create the two towers of the bridge using 4 rectangles and 2 squares folded to become a 3D rectangle. Repeat to create the second tower.



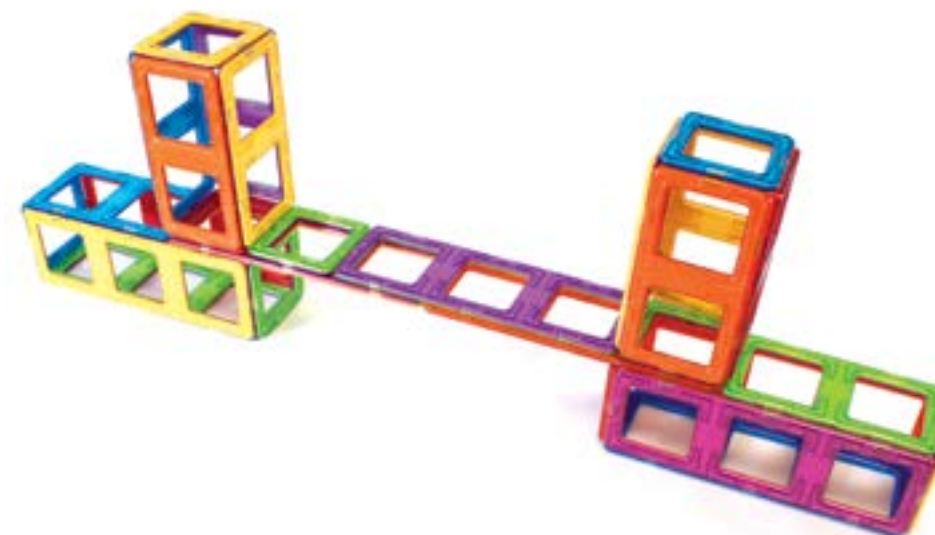
STEP 3

Attach 2 super rectangles to the empty squares in the base pieces to create a bridge crossing. Add 1 super rectangle and 1 square to the bridge to create stability.



STEP 4

Add the towers to the base. The first tower is 3 squares from the left. The second tower is 3 squares from the right.



STEP 5

Add 4 arches coming down from the left and right side of each tower. Lastly, attach 4 triangles to the top of the towers.



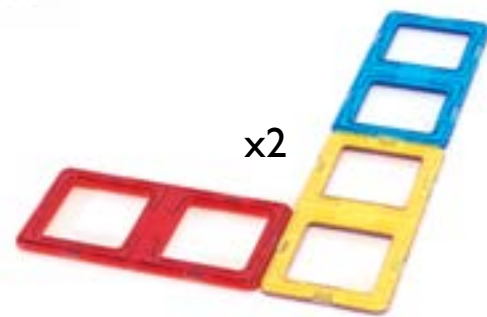
# TOWER BRIDGE

London, United Kingdom

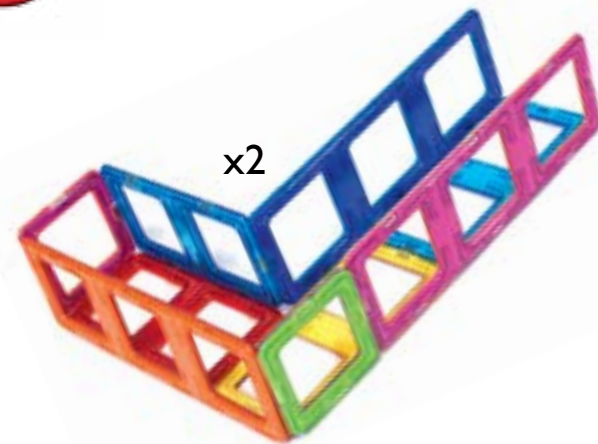
## PIECES REQUIRED:



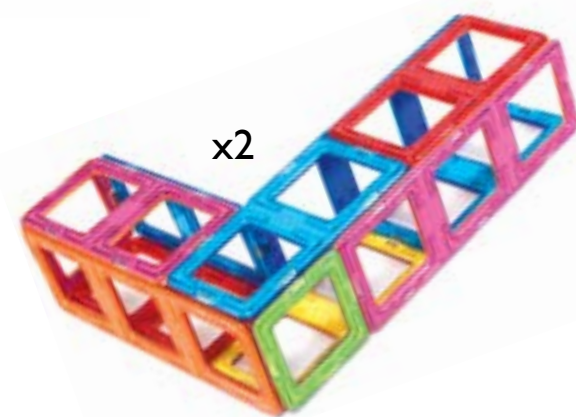
**STEP 1** Create the two tower bases using 3 rectangles arranged in an "L" shape.



**STEP 2** Outline the "L" shape using 3 super rectangles, 2 squares and 1 rectangle. Leave a gap at the top of the "L".



**STEP 3** Repeat step one and attach to the outline. You should have a 3D "L" shape now.



**STEP 4** Create the top cross-section of the bridge using 8 mini rectangles and 2 super rectangles. Lay out the two tower tops using 2 squares and 2 isosceles triangles.



**STEP 5** Set up the two "L"-shaped bases. Connect the top cross-section to form a long, narrow 3D rectangle. Fold the tower tops together to form two pointed shapes.



**STEP 6** Connect the cross-section to the top square of each "L". Attach the pointed tops to the top squares of the towers.



**STEP 7** Create the bottom bridge crossing using 1 super rectangle and 2 squares connected by 1 super arch.



**STEP 8** Attach 1 super arch to each side of the towers. Connect four triangles to the tops of the towers. Use 6 mini rectangles to add details to the fronts of the towers and the top cross-section.



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