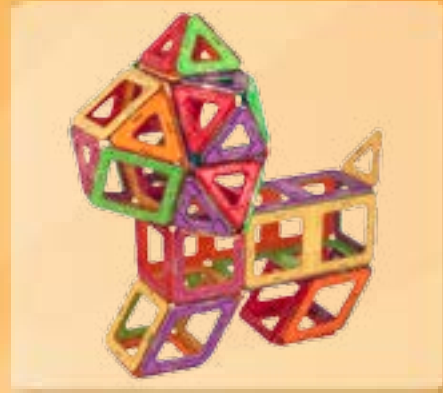


MAGFORMERS®

Intelligent Magnetic Construction Set For Brain Development



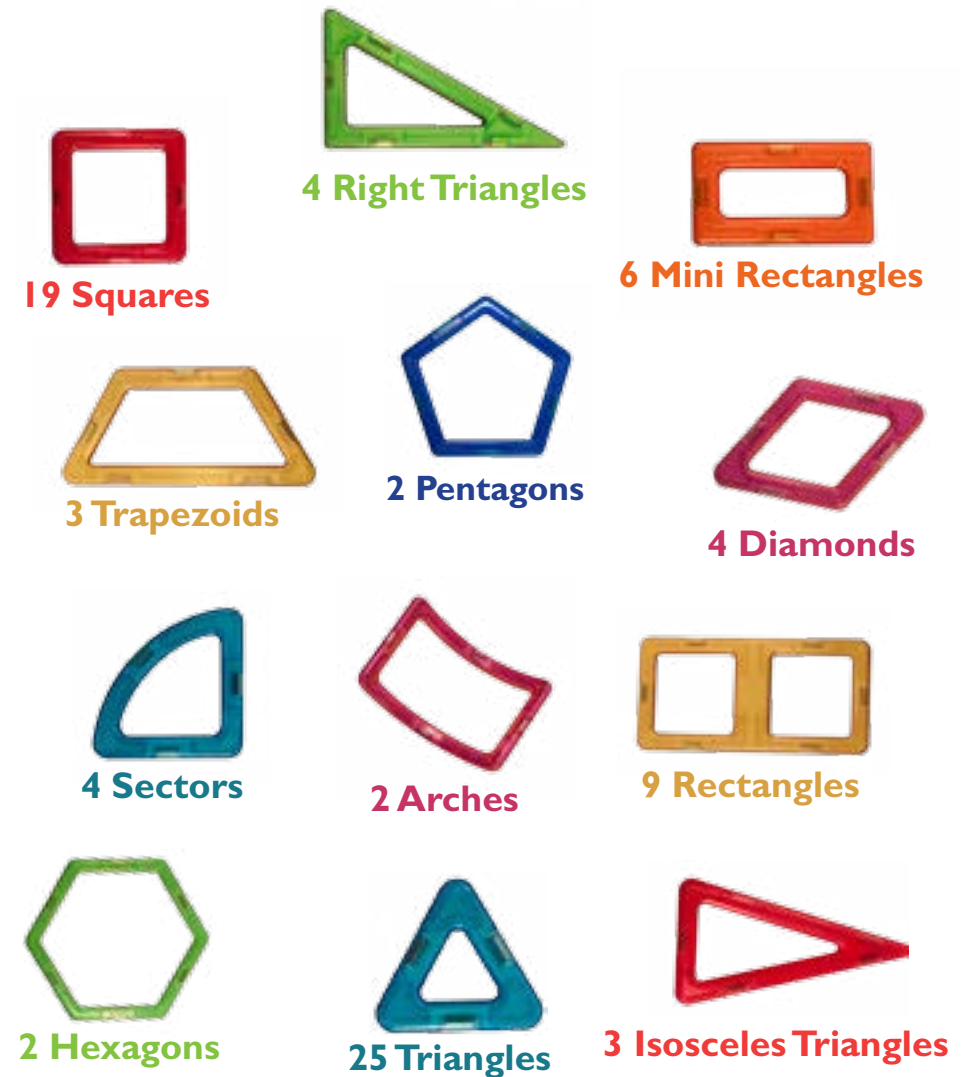
SAFARI SET
idea booklet

Step-by-step instructions
for building 10 different
Magformers creations

POSSIBLE BUILDS

PIECES INCLUDED

Elephant	Pages 4-5
Lion	Pages 6-7
Ostrich	Pages 8-9
Alligator	Pages 10-11
Giraffe	Pages 12-13
Flamingo	Pages 14-15
Rhinoceros	Pages 16-17
Toucan	Pages 18-19
Kangaroo	Pages 20-21
Camel	Pages 22-23



ELEPHANT

African elephants can weigh up to 15,000 pounds!

Pieces Required:



STEP 1

First create the body silhouette of the elephant using 1 hexagon, 1 diamond, 1 trapezoid and 1 pentagon.



STEP 3

Repeat step one on top of the outline, creating a solid shape for the elephant body.



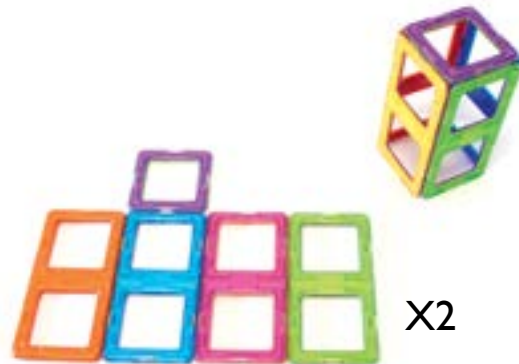
STEP 2

Outline the elephant body using 1 rectangle and 10 squares.



STEP 4

Build the two elephant legs by laying out 4 rectangles and 1 square. Fold up into two 3D rectangles.



STEP 5

Attach the two legs to the body. One goes at the base of the hexagon and the other goes on the front of the trapezoid.



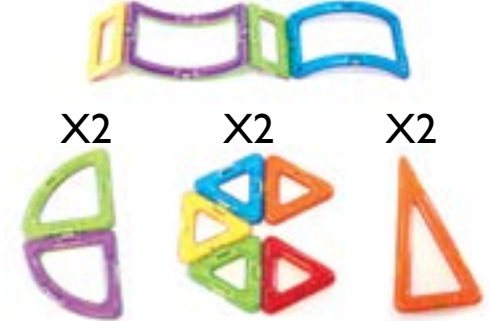
STEP 7

Attach the trunk to the front pentagon square using the mini rectangles. The 5 triangles attach to each side of the pentagon. The sectors connect to the back of the pentagon. Attach the tusks between the trapezoid and pentagon. Lastly, add one triangle to the back for a tail and you're done!



STEP 6

Lay out 2 mini rectangles and 2 arches for the trunk. Lay out two sets of 2 sectors for the ears. Lay out two sets of 5 triangles for the face and eyes. Grab 2 isosceles triangles for the tusks.



LION

The roar of a lion can be heard from 5 miles away!

Pieces Required:



STEP 1

First, lay out the body of the lion using 4 rectangles and 5 squares. Fold together the pieces to form a long 3D rectangle with a hold at one end.



STEP 2

Lay out the two lion legs using 3 squares and 2 diamonds. Fold up into a slanted cube-like shape.



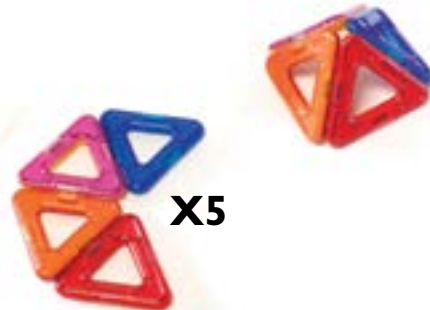
STEP 3

Attach the two legs to the body. One of the legs attaches to the empty gap on the bottom, the other attaches to the opposite end.



STEP 4

Lay out five sets of 4 triangles. Pop them up into mini pyramids. These will form the mane.



STEP 5

Lay out the lion's head using 2 hexagons and 5 squares. When you pop it up there should be a gap on one side.



STEP 6

Attach the five mini pyramids to the head to form the mane.



STEP 7

Lay out the face using 4 triangles and 3 squares. Pull upwards from the center triangle to form the lion's face.



STEP 8

Attach the face to the lion head, and then connect the entire head to the body. Use 1 triangle for the lion's tail.



OSTRICH

Ostriches can run up to 40 miles per hour!

Pieces Required:



STEP 1

Lay out the silhouette of the ostrich using 2 rectangles, 1 hexagon and 3 triangles.



STEP 2

Outline the silhouette using 8 squares and 4 rectangles.



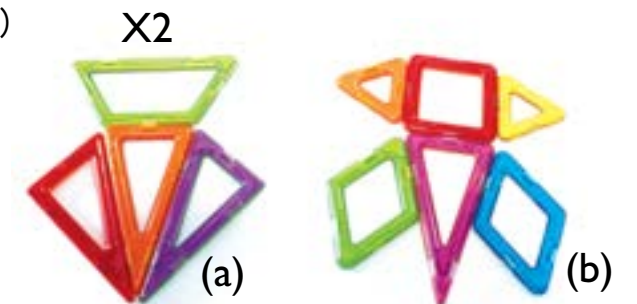
STEP 3

Fill in the outline by repeating step one. You'll end up with a 3D shape with a hole in the bottom.



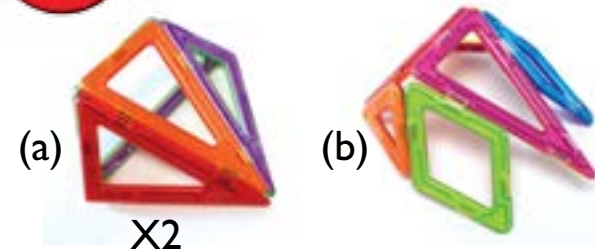
STEP 4

Lay out the two wings (a) using 1 trapezoid, 2 right triangles and 1 isosceles triangle. Lay out the tail (b) using 2 triangles, 1 square, 2 diamonds and 1 isosceles triangle.



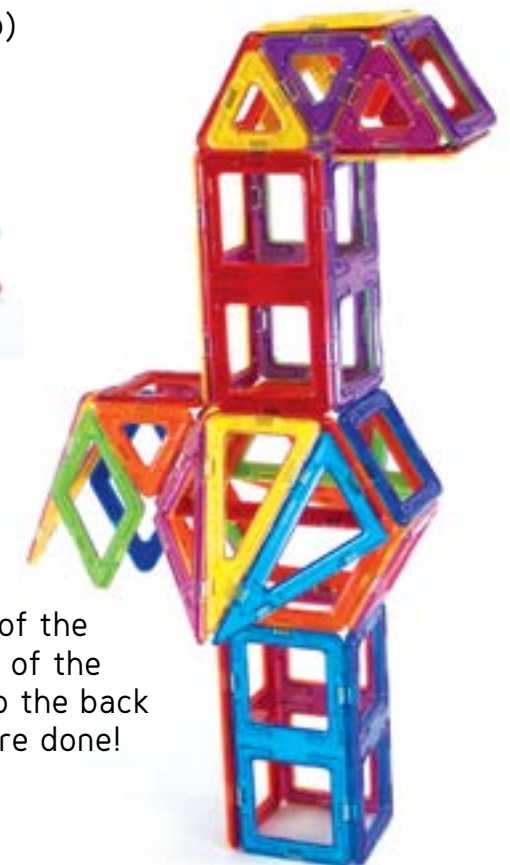
STEP 5

Fold the wings (a) and tail (b) together to form 3D shapes.



STEP 6

Attach the trapezoids of the wings to the hexagons of the body. Attach the tail to the back of the ostrich and you're done!



ALLIGATOR

Alligators have been around for millions of years!

Pieces Required:



STEP 1

Lay out the base of the alligator using 3 rectangles and 2 squares. Lay out the back using 2 trapezoids and 6 rectangles.



STEP 2

Pop up the back and attach it to the base.



STEP 3

Lay out the head of the alligator using 3 squares, 2 isosceles triangles and 1 trapezoid.



STEP 4

Fold up the head. The bottom of the jaw will have a gap on either side of the square where it doesn't fully connect.



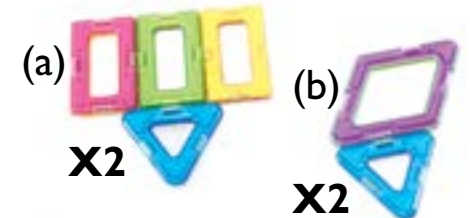
STEP 5

Lay out the tail using 2 right triangles, 1 isosceles triangle and 3 triangles. When you fold the tail together, make sure all of the edges of the large triangles touch.



STEP 6

Lay out the two front legs (a) using 3 mini rectangles and 1 triangle. Lay out the back legs (b) using 1 diamond and 1 triangle.



STEP 7

Lay out the back spikes of the alligator using 4 squares and 4 triangles.



STEP 8

Attach the face of the alligator to the body. Attach the 3 triangles of the tail to the back trapezoid. Attach the legs to the base and, lastly, attach the spine to the top of the back.



GIRAFFE

Giraffes can be up to 18 feet tall!

Pieces Required:



STEP 1

Begin with the silhouette of the bottom of the giraffe. Use 2 right triangles, 1 triangle, 1 square and 1 pentagon.



STEP 3

Fill in the outline by repeating step one. You will now have a 3D form.



STEP 2

Outline the silhouette using 9 squares. There will be gaps at the bottoms of the legs.



STEP 4

Lay out the neck of the giraffe using 3 isosceles triangles, 3 rectangles, 3 triangles and 1 square.



STEP 5

Fold the edges of the neck together to form a 3D shape. The top of the neck will be flat.



STEP 7

Use 5 triangles to form the head of the giraffe.



STEP 8

Attach the neck to the body. The 3 triangles should go toward the front of the giraffe. Use the 6 triangles to form the back of the giraffe. Attach one triangle to the top of the head and one to the back as the tail.

STEP 6

Place together 6 triangles. This will later form the back of the giraffe.



FLAMINGO

A group of flamingos is called a flamboyance!

Pieces Required:



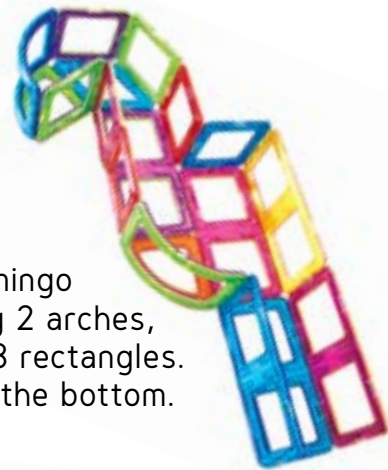
STEP 1

Start by creating the silhouette of the flamingo using 3 rectangles, 2 sectors and 1 diamond.



STEP 2

Outline the flamingo silhouette using 2 arches, 7 squares and 3 rectangles. Leave a gap at the bottom.



STEP 3

Repeat step one on top of the outline to create a 3D flamingo form.



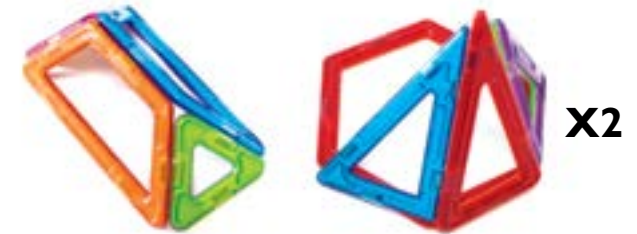
STEP 4

Lay out the tail using 2 trapezoids and 2 triangles. Lay out the two wings using 1 hexagon, 2 right triangles and 1 isosceles triangle.



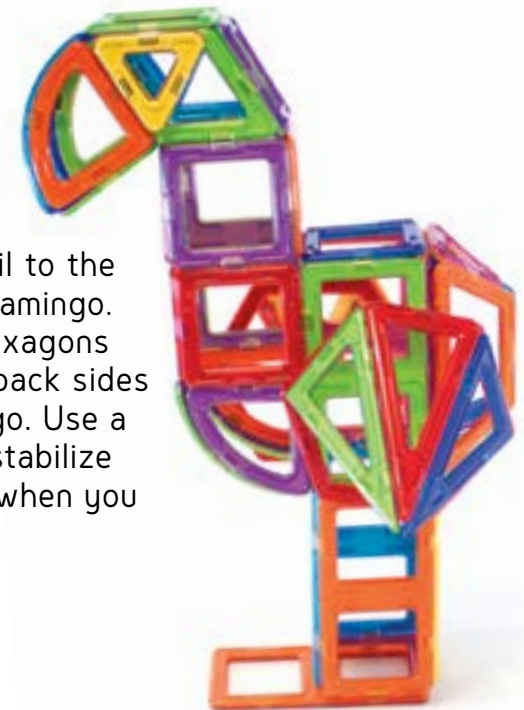
STEP 5

Pop up the tail and attach the triangles to three sides of the hexagon.



STEP 6

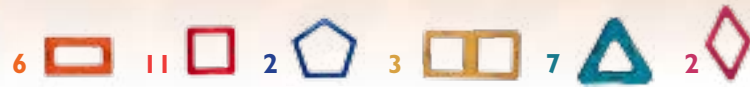
Attach the tail to the back of the flamingo. Attach the hexagons to the lower back sides of the flamingo. Use a rectangle to stabilize the flamingo when you stand it up!



RHINOCEROS

Rhinos are herbivores (plant eaters)!

Pieces Required:



STEP
1

Start by creating the silhouette of the rhino's body using 1 mini rectangle, pentagon, square, rectangle and triangle.



STEP
2

Outline the silhouette using 2 mini rectangles, 9 squares and 1 rectangle.



STEP
3

Repeat step one on top of the outline to create a 3D rhino shape.



STEP
4

Lay out the rhino's front horn using 2 triangles and 2 diamonds. Pop up the pieces into a slanted pyramid-like shape.



STEP
5

Attach the horn to the mini rectangles. Use 2 additional mini rectangles on top of the head as the second horn. Use 2 triangles for the eyes and 1 for the tail.



TOUCAN

Toucans have the largest bill of any bird!

Pieces Required:



STEP 1

First create the silhouette of the toucan using 2 sectors, 1 square, 1 hexagon and 1 triangle.



STEP 2

Outline the toucan using 2 arches, 5 squares and 2 rectangles.



STEP 3

Fill in the outline by repeating step one. You'll have a 3D toucan shape.



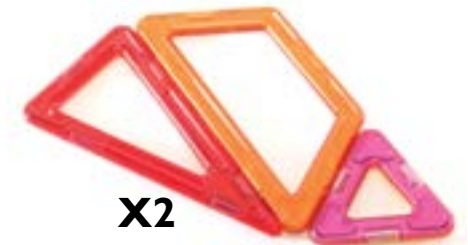
STEP 4

Lay out the toucan's feet using 3 squares and 2 diamonds. Fold it together to form a slanted cube.



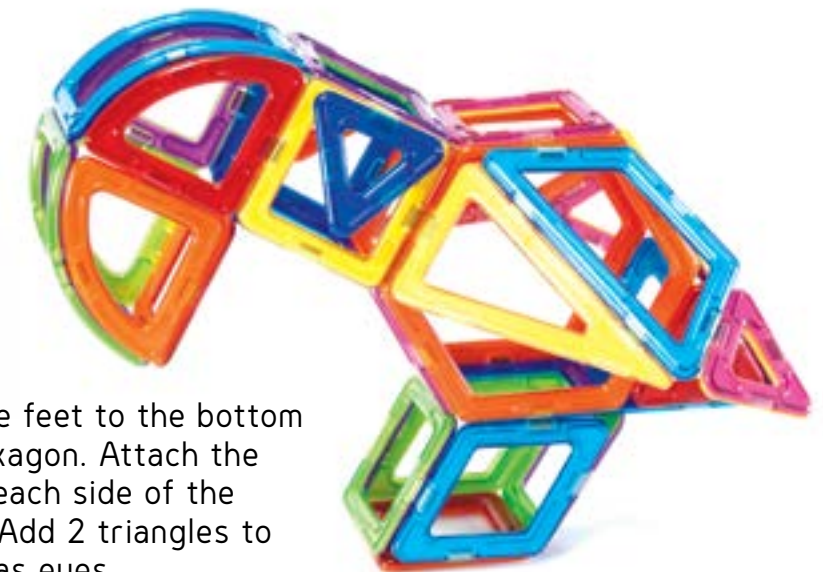
STEP 5

Lay out the two wings using an isosceles triangle, trapezoid and triangle.



STEP 6

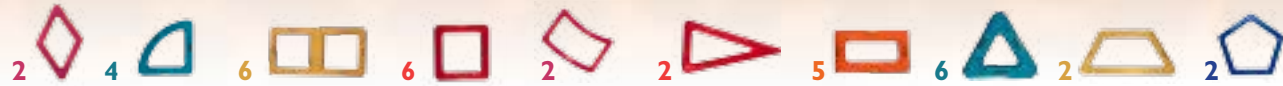
Attach the feet to the bottom of the hexagon. Attach the wings to each side of the hexagon. Add 2 triangles to the head as eyes.



KANGAROO

Kangaroos can jump up to three times their height!

Pieces Required:



STEP 1

Create the silhouette of the kangaroo body using 2 sectors, 1 square, 1 rectangle and 1 isosceles triangle.



STEP 3

Fill in the outline by repeating step one. You'll have a 3D shape with a gap at the top.



STEP 2

Outline the silhouette using 4 squares, 2 rectangles and 2 arches.



STEP 4

Lay out the tail using 5 mini rectangles, 2 rectangles and 2 triangles. Fold up the tail into a flattened 3D rectangle.



STEP 5

Lay out the head using 2 diamonds and 2 triangles. Pop up the pieces to form a slanted 3D shape.



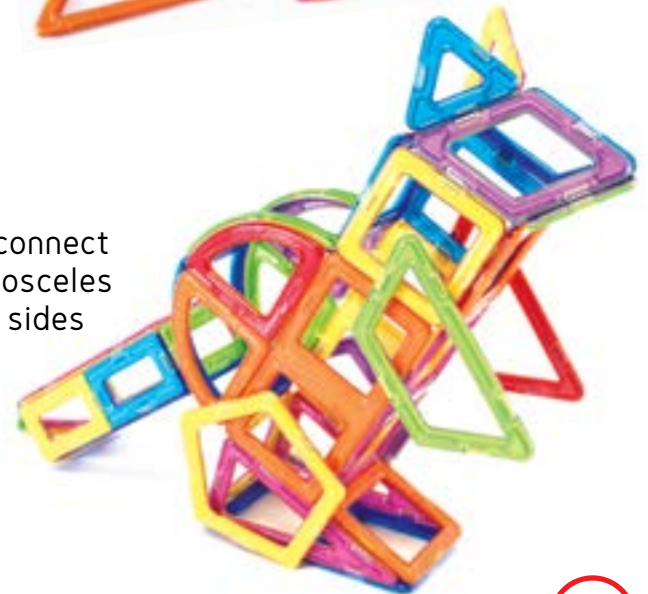
STEP 6

Grab 2 trapezoids for the arms, 2 pentagons for the backs of the legs and 2 triangles for the ears.



STEP 7

Attach the tail to the bottom arch, connect the pentagons to the sides of the isosceles triangles, and the trapezoids to the sides of the body. Lastly, attach the two triangles to the top of the head.



CAMEL

Camels can go for two months without water!

Pieces Required:



STEP 1

Create the silhouette of the camel's body using a mini rectangle, right triangle, sector, trapezoid and rectangle.



STEP 2

Outline the camel using 3 mini rectangles, 2 rectangles, 4 squares and 1 arch. There will be a gap next to the mini rectangles.



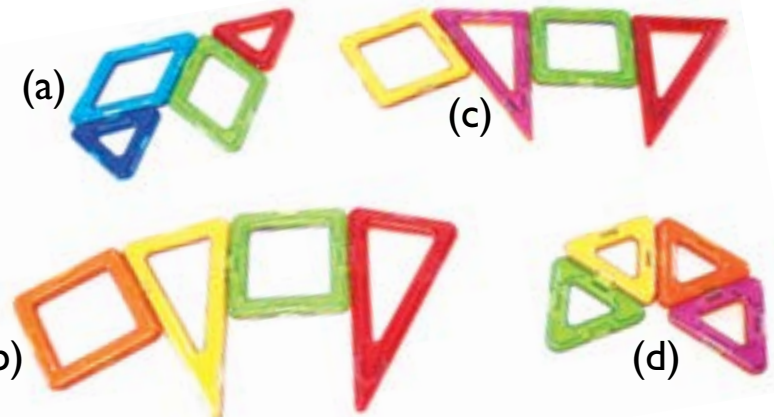
STEP 3

Fill in the outline of the camel's body by repeating step one.



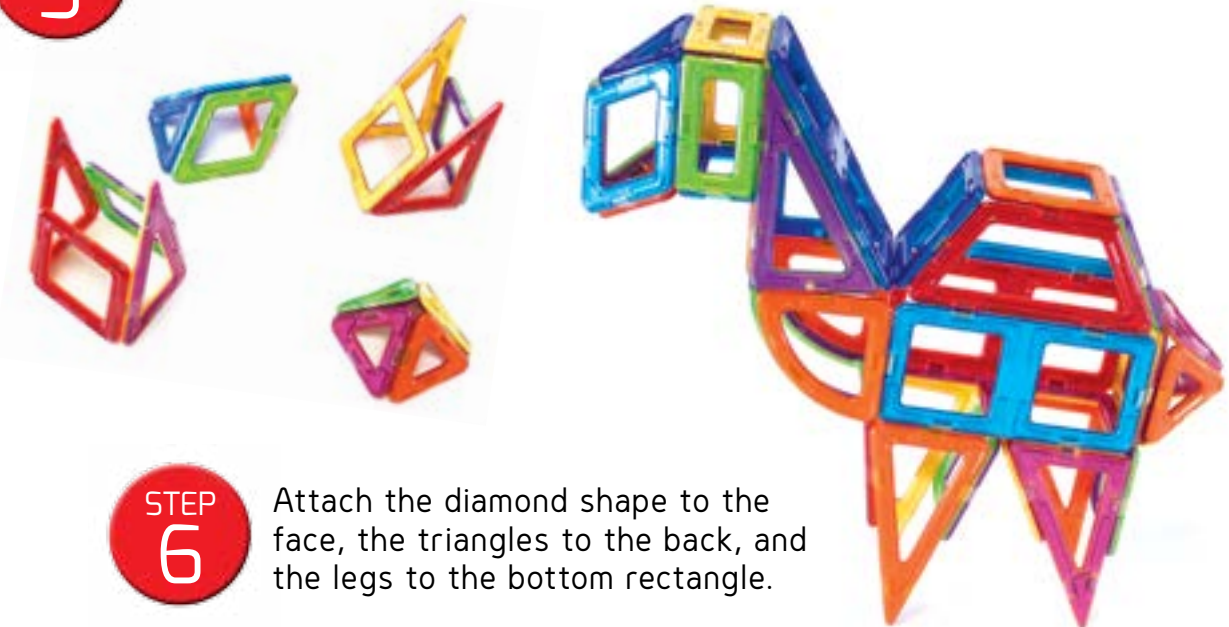
STEP 4

Lay out the camel face (a) using 2 diamonds and 2 triangles. Lay out the front legs (b) using 2 squares and 2 isosceles triangles. Lay out the back legs (c) using 2 squares and 2 right triangles. Lay out the tail (d) using 4 triangles.



STEP 5

Connect all of the body parts to form 3D shapes.



STEP 6

Attach the diamond shape to the face, the triangles to the back, and the legs to the bottom rectangle.

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