

MAGFORMERS®

Intelligent Magnetic Construction Set For Brain Development



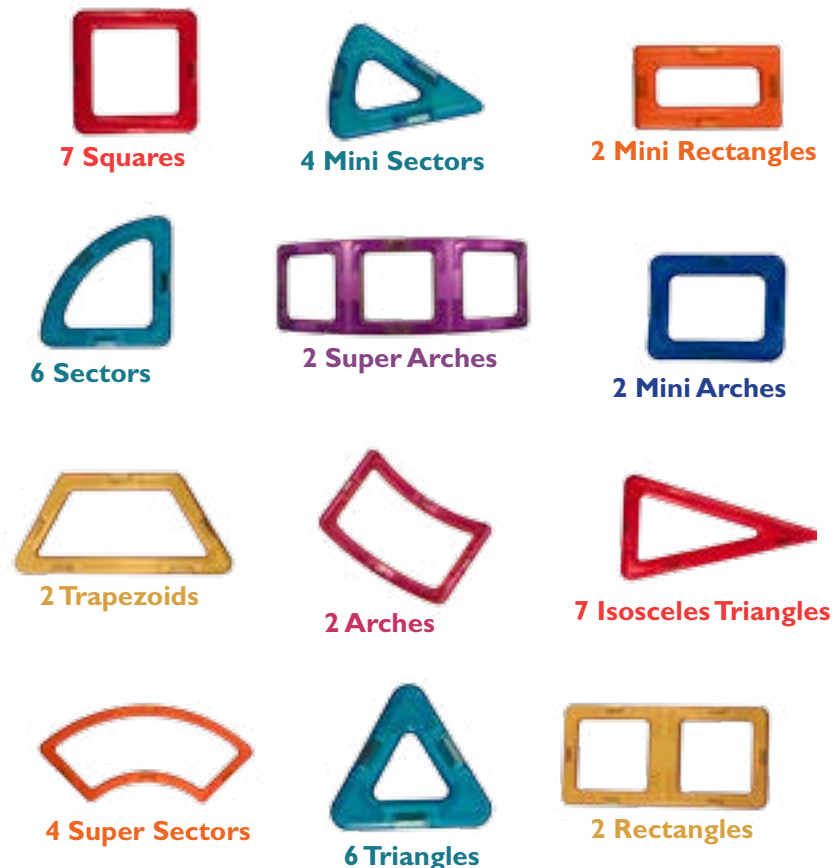
DEEP SEA SET
idea booklet

Step-by-step instructions
for building 12 different
Magformers creations

POSSIBLE BUILDS

| | |
|------------------|-------------|
| Dolphin | Pages 4-5 |
| Shrimp | Pages 6-7 |
| Whale | Pages 8-9 |
| Sea Turtle | Pages 10-11 |
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| Sailboat 1 | Page 20 |
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| Speedboat | Page 22 |

PIECES INCLUDED



DELILAH THE DOLPHIN

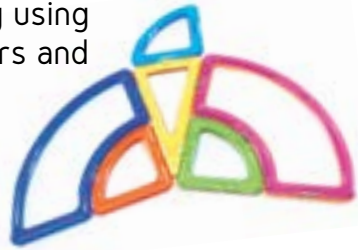
Dolphins use a blowhole on top of their heads to breathe!

PIECES REQUIRED:



STEP
1

Lay out the dolphin body using 2 super sectors, 3 sectors and 1 isosceles triangle.



STEP
2

Outline the body using 2 super arches, 2 rectangles, 1 square and 1 arch.



STEP
3

Repeat step one on top of the outline to form a solid 3D shape.



STEP
4

You will need 2 mini arches and 2 triangles for the fins and eyes. Lay out the tail using 2 mini rectangles and 2 trapezoids. Touch the ends of the trapezoids together to form a 3D tail.



STEP
5

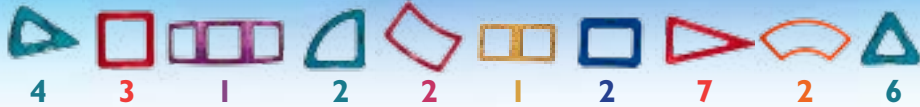
Attach the mini arches to the sectors as fins. Attach the triangles to the super sectors as eyes. Finally, connect the tail to the back super arch and you're done!



SHERMAN THE SHRIMP

Shrimp come in many colors around the world! Even blue!

PIECES REQUIRED:



STEP 1

Lay out the body of the shrimp using a super sector, sector and mini sector.



STEP 2

Outline the body using 2 squares, 2 arches, 1 mini arch and 1 super arch.



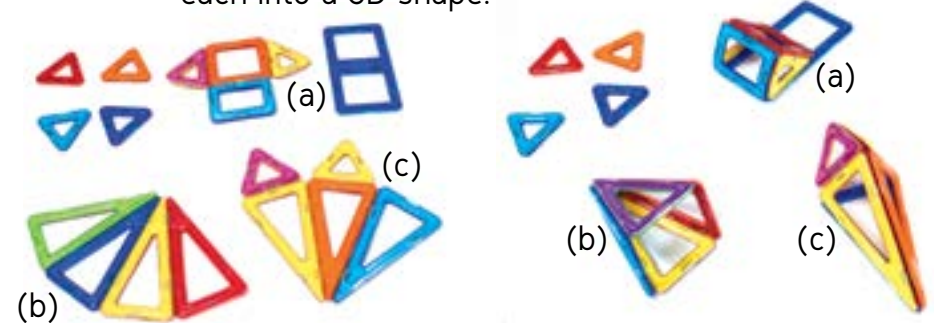
STEP 3

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



STEP 4

You will need 4 triangles for the eyes and arms. To assemble the tail (a) use 2 mini sectors, 1 square, 1 mini arch and 1 rectangle. To create the face (b) use 4 isosceles triangles. To make the back of the head (c) use 3 isosceles triangles and 2 triangles. Pop up each into a 3D shape.



STEP 5

Attach the tail (a) to the bottom square. Attach the face (b) to the top square and add the 2 triangle eyes. Connect the top of the head (c) to the top of the face. Finally, connect the 2 triangle arms.



WILLY THE WHALE

The blue whale is the largest known mammal to ever live!

PIECES REQUIRED:



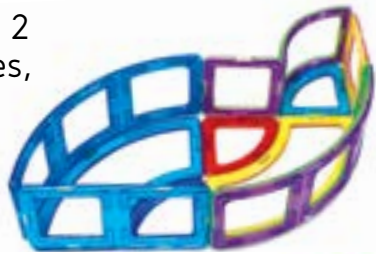
STEP
1

Lay out the body of the whale using 2 super sectors and 3 sectors.



STEP
2

Outline the body using 2 super arches, 2 squares, 1 rectangle and 1 arch.



STEP
3

Repeat step one on top of the outline to create a solid shape.



STEP
4

You will need 2 mini sectors for the tail and 2 triangles for the eyes. To create the fins, use 2 isosceles triangles and 1 rectangle.



STEP
5

Attach the triangles to the front super sectors and attach the mini sectors to the back tail. Connect the fins to the bottom of the body and you're done!



TINA THE SEA TURTLE

Sea turtles dig holes on land to lay their eggs in!

PIECES REQUIRED:



STEP
1

Lay out the turtle using 2 sectors, 1 super sector, 1 mini sector and 1 isosceles triangle.



STEP
2

Outline the body using 3 squares, 1 rectangle, 1 super arch, 1 mini arch and 1 arch.



STEP
3

Repeat step one on top of the outline to create a solid turtle body.



STEP
4

You will need 3 triangles for the eyes and tail and 2 sectors for the back flippers. The front flippers are made of 1 triangle and 1 mini sector each.



STEP
5

Attach the triangle eyes to the face and the triangle tail to the back. Connect the front and back flippers to the body and you're done!



EARL THE EEL

Eels can swim forwards AND backwards!

PIECES REQUIRED:



STEP
1

Create the bottom of the body using 2 super sectors and 1 isosceles triangle.



STEP
2

Outline the base using 2 super arches, 2 arches, 2 rectangles and 1 square.



STEP
3

Repeat step one on top of the outline to create a solid eel shape.



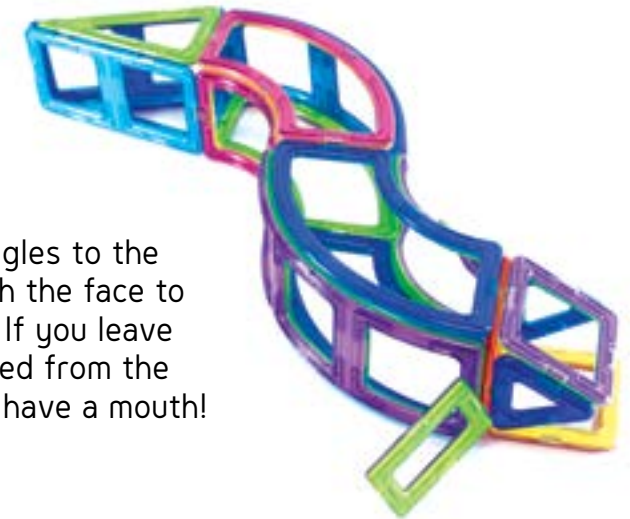
STEP
4

You will need 2 mini rectangles for the eel's little fins. The face is made of 1 square connected to 2 triangles and 1 additional square.



STEP
5

Attach the mini rectangles to the front of the eel. Attach the face to the front of the body. If you leave the square disconnected from the triangles your eel will have a mouth!



PENNY THE PENGUIN

Penguins use their wings to swim, not to fly!

PIECES REQUIRED:



STEP
1

Lay out the penguin body using 2 isosceles triangles, 2 sectors, 1 super sector and 1 mini sector.



STEP
2

Outline the penguin using 4 squares, a rectangle, arch, super arch and mini arch.



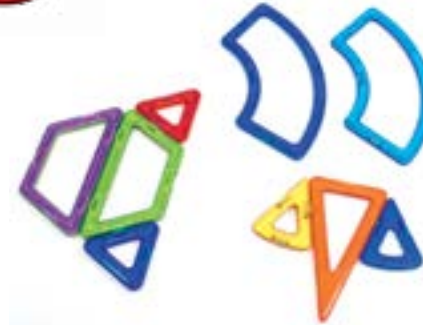
STEP
3

Repeat step one on top of the outline to create a solid penguin shape.



STEP
4

You will need 2 super sectors for the wings. The face requires 2 mini sectors and 1 isosceles triangle. The tail is made of 2 triangles and 2 trapezoids.



STEP
5

Attach the mini sectors to the head to form the eyes and beak. The arms attach to either side of the body. Use the trapezoid shape to connect to the back isosceles triangle and balance the penguin!



OLIVER THE OYSTER

Only about 1 in 10,000 oysters contains a pearl!

PIECES REQUIRED:



STEP 1

Lay out the entire oyster shell using 2 super sectors, 1 super arch, 2 isosceles triangles and 2 sectors. The pearl is made of 4 triangles.



STEP 2

Fold the isosceles triangle to meet the sectors and create a 3D shape. Fold up the pearl and stick it inside the oyster by moving aside the super arch.



CHLOE THE CLAM

A giant clam can grow up to four feet!

PIECES REQUIRED:



STEP 1

Lay out the entire clam shell using 6 isosceles triangles, 2 mini sectors, 2 mini arches and 1 square.



STEP 2

Fold together the clam like you're closing a book. The mini sectors don't completely connect, but hang over the edges of the isosceles triangles.



SPIKE THE SHARK

Sharks regrow their teeth if they lose them!

PIECES REQUIRED:



STEP
1

Lay out the shark body using a triangle, mini sector, square and isosceles triangle.



STEP
2

Outline the body using 4 squares, 2 rectangles and 1 mini arch.



STEP
3

Repeat step one on top of the outline to create a solid shape.



STEP
4

You will need 2 mini rectangles and 1 sector for the dorsal fin. Use 2 sectors for the front fins. Lay out the tail section using 2 trapezoids and 2 triangles, along with 1 triangle and 2 mini sectors.



STEP
5

Attach the mini rectangles to the top square and add a sector on top. Use the 2 sectors as fins. Attach the mini sectors to the trapezoid tail and you're done!



SHAUN'S SAILBOAT

The left side of a boat is called the port, the right is starboard!

PIECES REQUIRED:



STEP 1

Lay out the bottom of the boat with 2 mini sectors and 1 super sector.



STEP 2

Outline the boat with 2 squares, 2 mini arches and 1 super arch. Leave a gap at the top.



STEP 3

Repeat step one on top of the outline to create a solid shape.



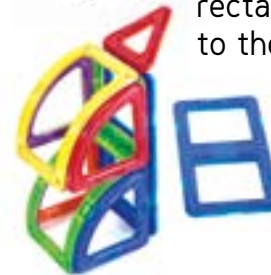
STEP 4

Lay out the sails using two sets of 2 sectors, 1 square and 1 arch. You'll also need 1 triangle and 2 rectangles.



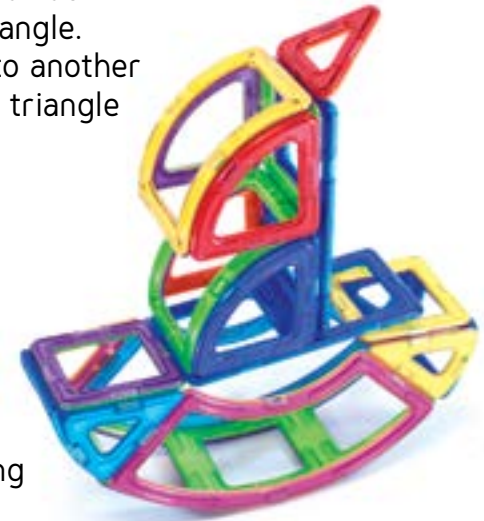
STEP 5

Fold up each sail and attach the squares to a rectangle. Connect the bottom to another rectangle. Attach the triangle to the top sail.



STEP 6

Attach the sails to the boat, covering the gap.



SARAH'S SAILBOAT

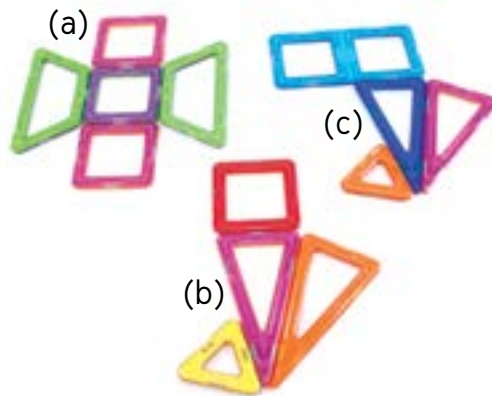
On a boat, the ropes are called lines!

PIECES REQUIRED:



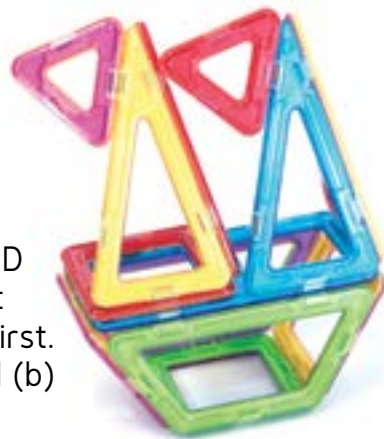
STEP 1

Lay out the base of the boat (a) using 3 squares and 2 trapezoids, the left sail (b) using 1 square, 1 triangle and 2 isosceles triangles, and the right sail (c) using 1 rectangle, 1 triangle and 2 isosceles triangles.



STEP 2

Pop up the pieces into 3D shapes. Attach the right sail (c) to the base (a) first. Then attach the left sail (b) on top of the right.



SAM'S SPEEDBOAT

The world record for water speed is 317 miles per hour!

PIECES REQUIRED:



STEP 1

Lay out the body of the boat using 5 isosceles triangles, 6 squares, 1 trapezoid, 1 rectangle and 2 triangles. Fold up into a solid shape with a pointed front.



STEP 2

You'll need 3 triangles for the seats and steering wheel. Lay out 1 rectangle, square, mini rectangle and 2 mini sectors for the back of the boat. Lay out 2 mini sectors and 2 mini arches for the boat's windows.



STEP 3

Attach the base, windows, seats and steering wheel to the body of the boat and you're done!



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