MAGNIKON

MAGNETIC BUILDING BLOCKS
FOR DEVELOPMENT OF INTELLIGENCE

BUILDING IDEAS & INSPARATION

Hi! I am a robot and my name is Magnikon.

And here are my assistants – Magnets! Together we will help you to figure out, how magnetic building blocks work.

First of all, let's learn what magnetic blocks consist of.
There is a neodymium magnet in every side of a block.
Magnets have two poles, north and south.
Magnets have an invisible magnetic field that allows them to attract or repel certain materials.

Neodymium magnets have a very strong magnetic field.
Sometimes even adults have troubles separating parts from each other.

To separate two magnets, use the sliding motion.

Please read carefully!

Notes

1. High magnetic attraction can be very strong for children. So be careful!

2. The building blocks have a strong magnetic field. Don't place them next to items with magnetic strips. Such as a credit card.

3. The building blocks must not be put in the mouth.

4. Do not throw the building blocks at animals and people.

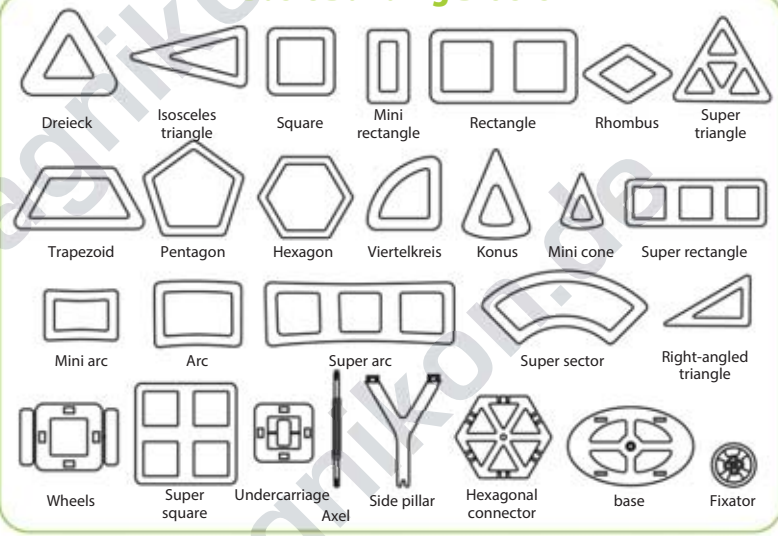
5. Do not place the building blocks next to sharp or spikey objects. For example needles, razor blade, knife.

6. The building blocks are very robust, but avoid demonstrable stress and high temperatures. However, they should not be subjected to shocks, rough influences and high temperatures.

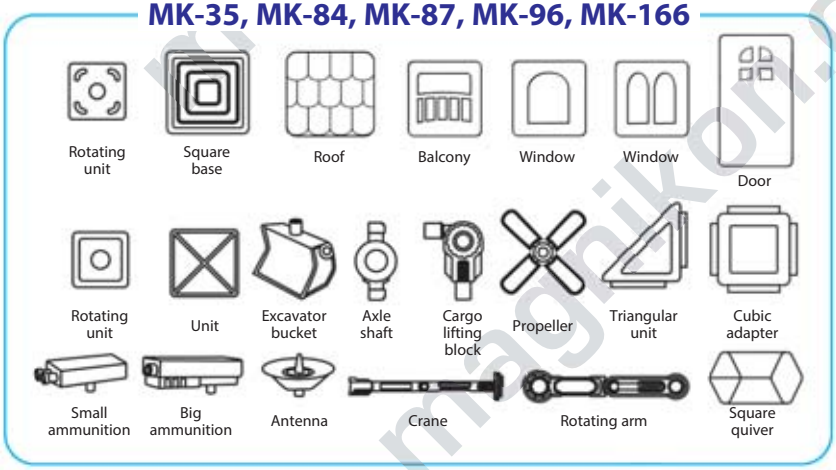
Now we have to get acquainted with different types of building blocks and then you can start!

Types of Building Blocks

Basic Building Blocks



These Building Blocks are available in the following sets: MK-35, MK-84, MK-87, MK-96, MK-166



Accessories and building instructions!

1

2

3

4

5

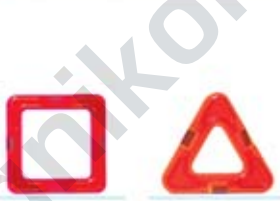
Now we can start. First we try to build simple 2D-Models.

Flat 2D-Models

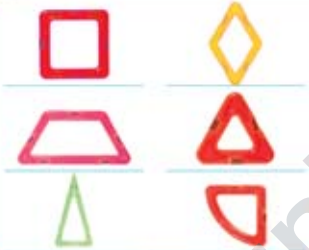
Flower

Robot

Now try to build 2D-Models on your own. Use your imagination and tips written below. Carefully check which building blocks and how many you need.

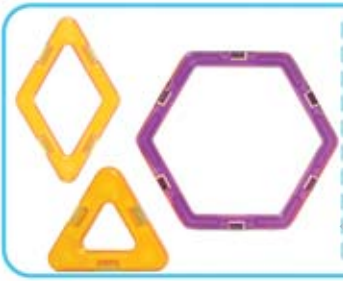


Heart



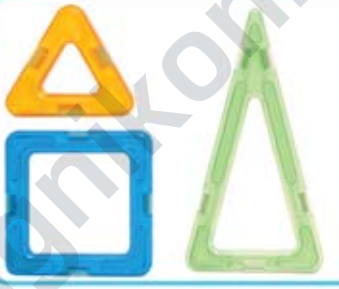
Tank

Pyramid



Teapot

Now try to build following models, but with less tips. I will only show you which building blocks you need.



Diamond

Snowflake

Chicken

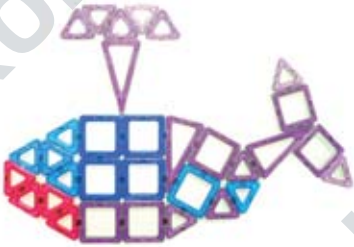
Candy

You are doing great! You have learned to build 2D-Models. Here are some more ideas of what you can build.

2D Models

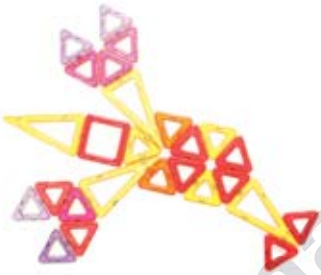
Crab

Whale

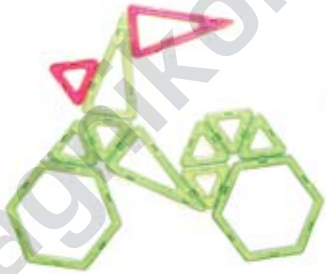


Flower

Lobster



Bicycle



Teapot

Tulip

Telephone

Fish

2D Models

Goose

Butterfly

Snail

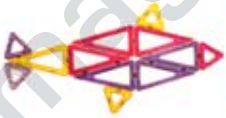
Heart

Rocket

Flower

Rhino

Candy



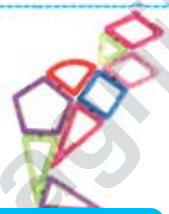
Shark

Motorbik

Squirrel

Skyscraper

Penguin



Tyrannosaurus

Dinosaur

Crocodile

Strawberry

Fox

Camel

Dog

Loch Ness Monster

Baby-Dino

Unicorn

Giraffe

2D Models

Rabbit

Tank

Cat

2D Models

Chicken

Boat

Television tower

Swallow

Swang

Scale

Ferris wheel

Locomotive

Eis cream

Vase

Whale

Horse

Moonbuggy

Grapes

Candlestick

Mars rover

Peacock

Cactus

Spaceship

Sailing boat

The Leaning Tower of Pisa

Parrot

The Eiffel tower

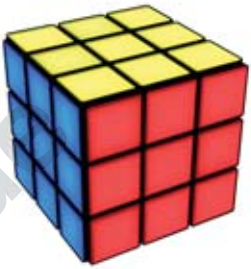
We showed you 2D-Models, which we came up with. But of course, you can always create new ones on your own! Just look around and use your imagination!

Here! Try to build such models (as shown in the pictures below)

Three-dimensional models.
Let's now lern the basics
of 3D-Models!

Three-dimensional models or 3D-Models

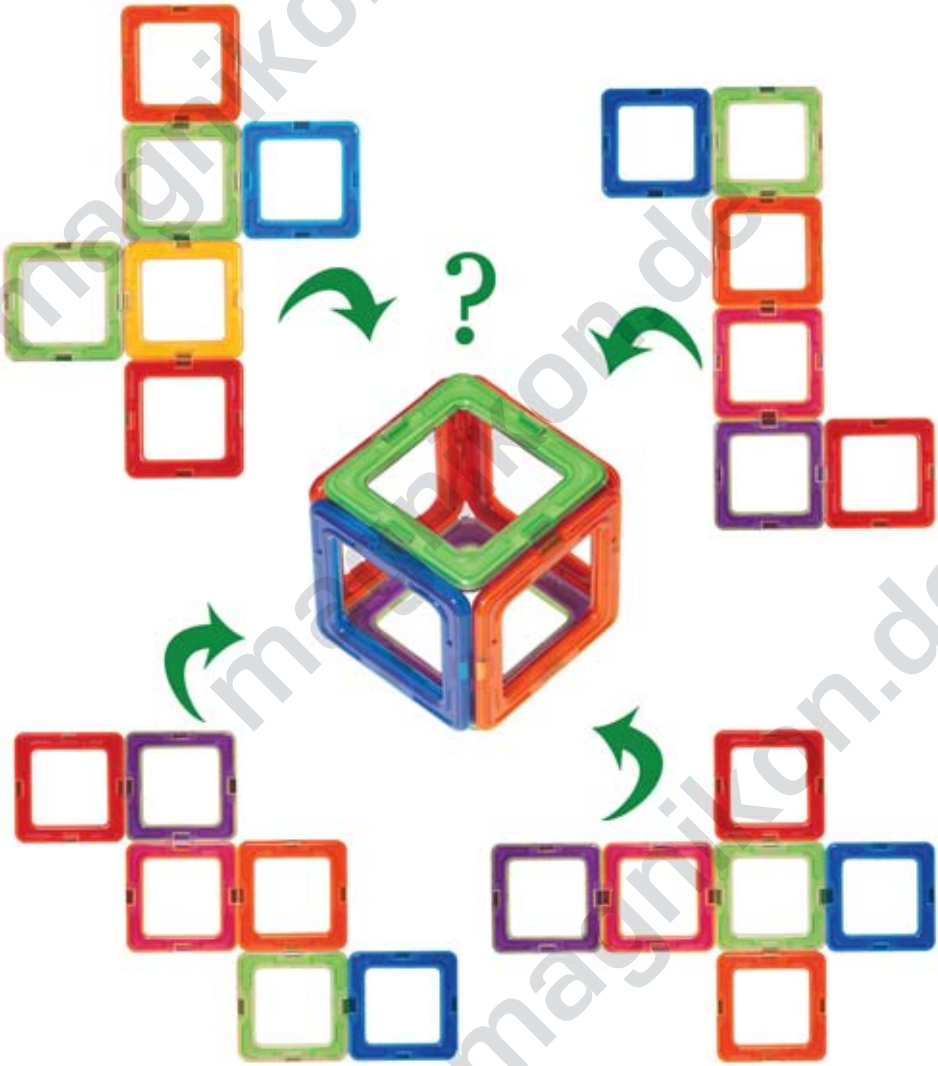
Which of the shown below models matches the Layout?



Don’t forget!
That is a 3D-Model!

Which of the shown below models matches the Layout?

Do you have any other idea, how else you can build a cube?



We will build now 3D-Models out of flat building blocks.

Use recommended building blocks and build 3D-Models out of them.

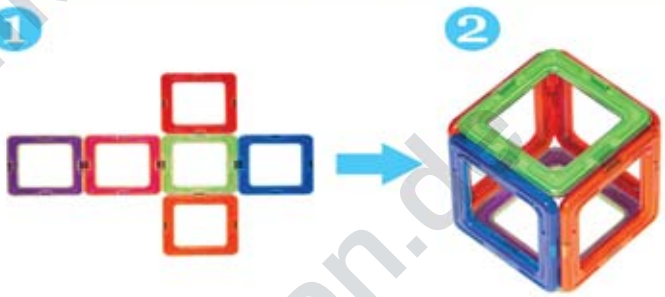
Here you find 3D-Models that are listed from simple to more complex. Take your time, stay focused and you will do just great! You have a great time ahead of you!

3D-Models

List of building blocks **Building Instruction**

Cube

6



Spinning Top

8

Wigwam

1

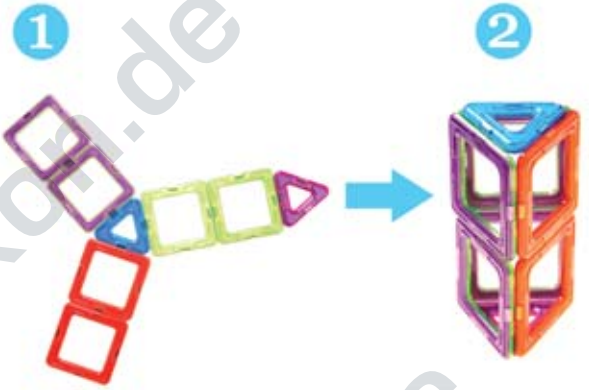
6

3D-Models

Triangular prism

2

6



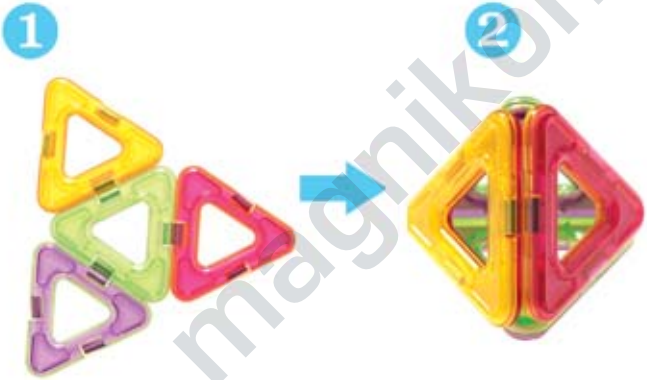
Ball

8

6

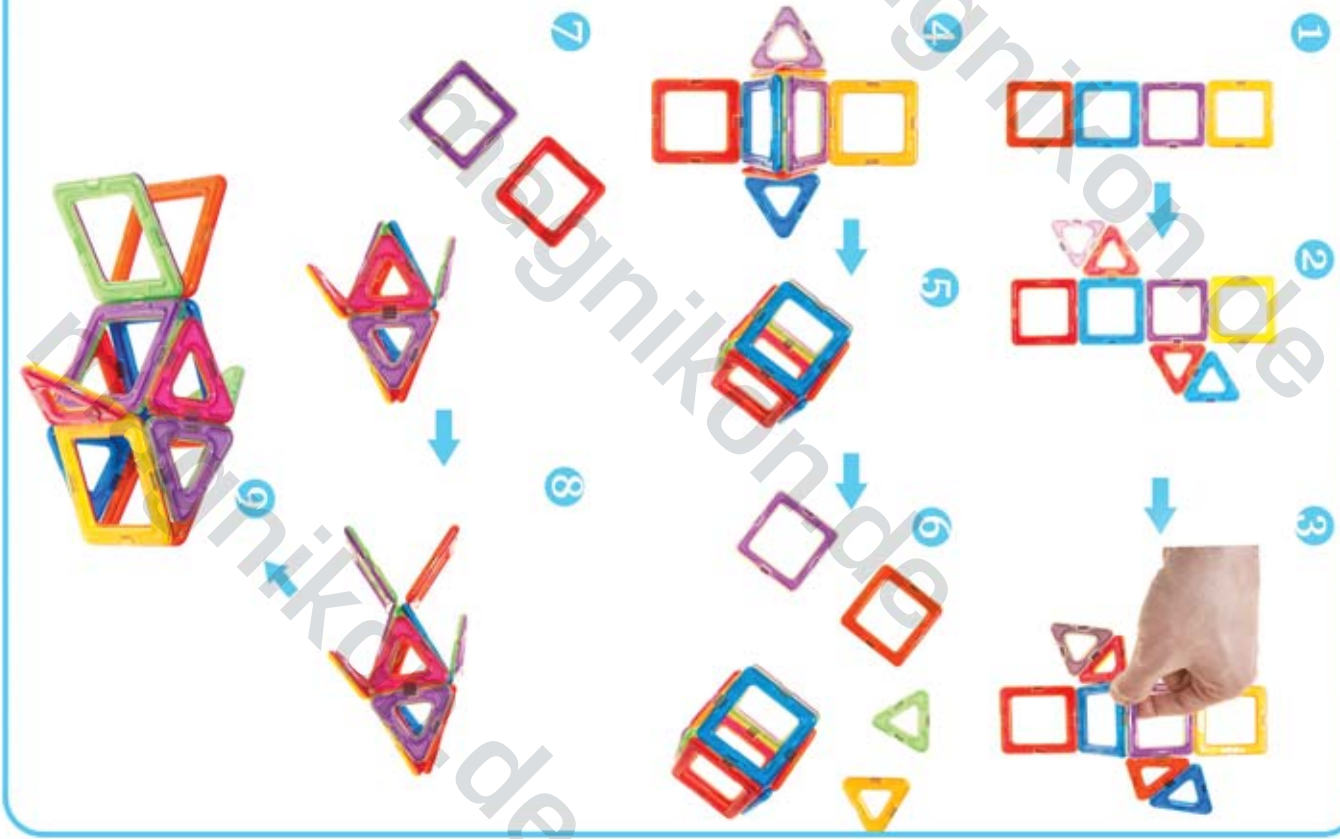
Cone

4



Fish

Fish scales are a commonly used ingredient in various shimmery makeup, lipstick included.



3D-Models

Big ball

20

1

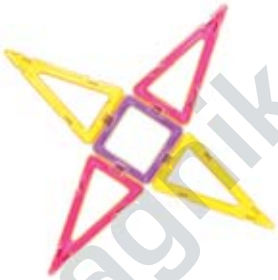
2

Four-sided pyramid

1

4

1



2

Three-sided pyramid

1

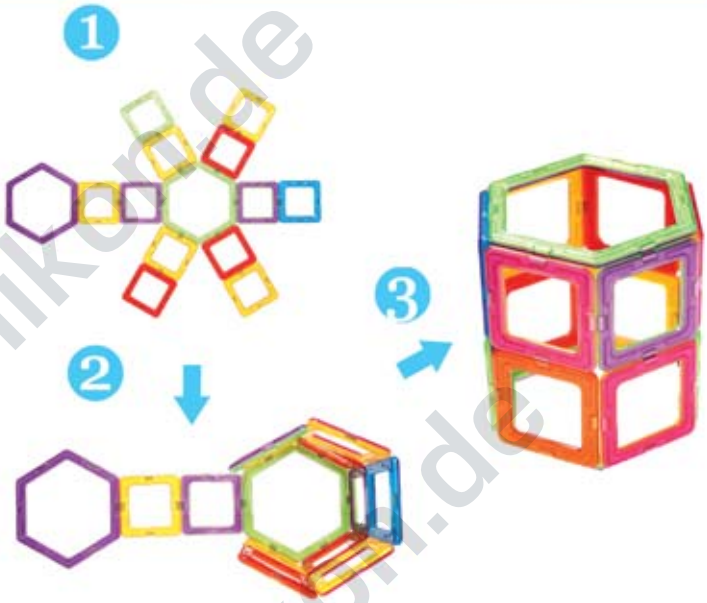
3

1

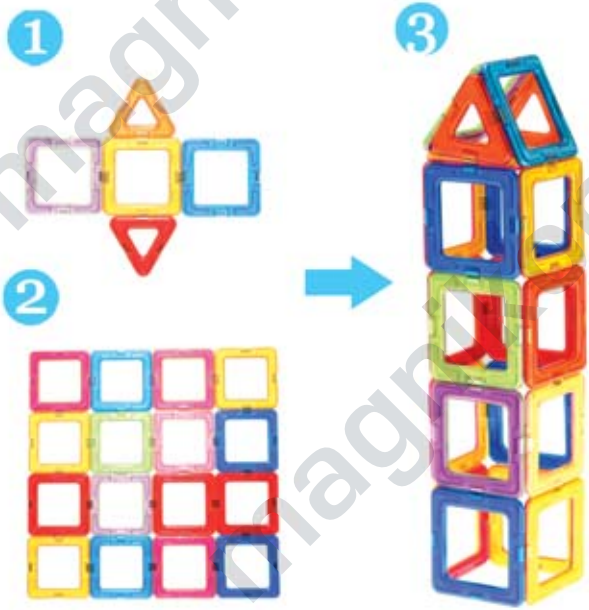
2

3D-Models

Cylinder



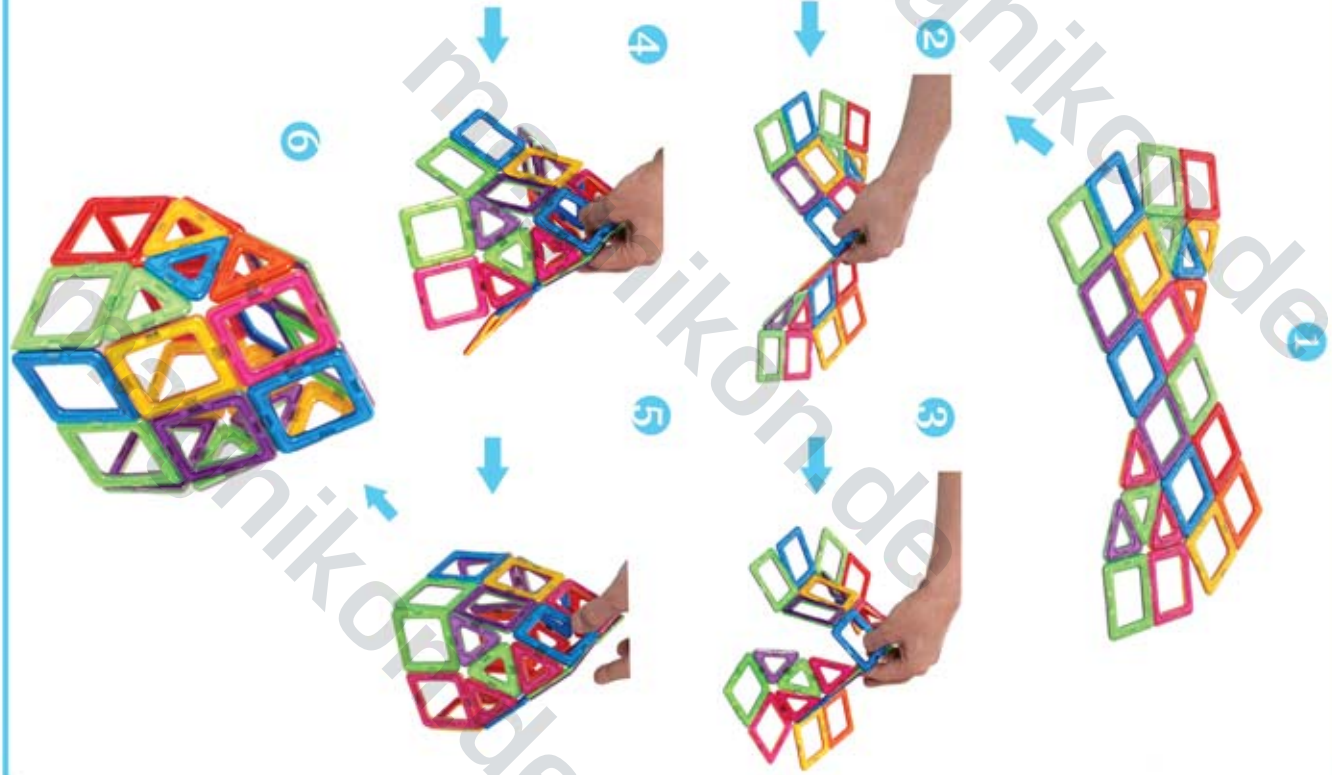
Tower



House

Have you known, that modern technologies made it possible to produce a house with a 3D-printer?

16 8



Assembly of 3D-Models

Football

Assembly of 3D-Models

6

18

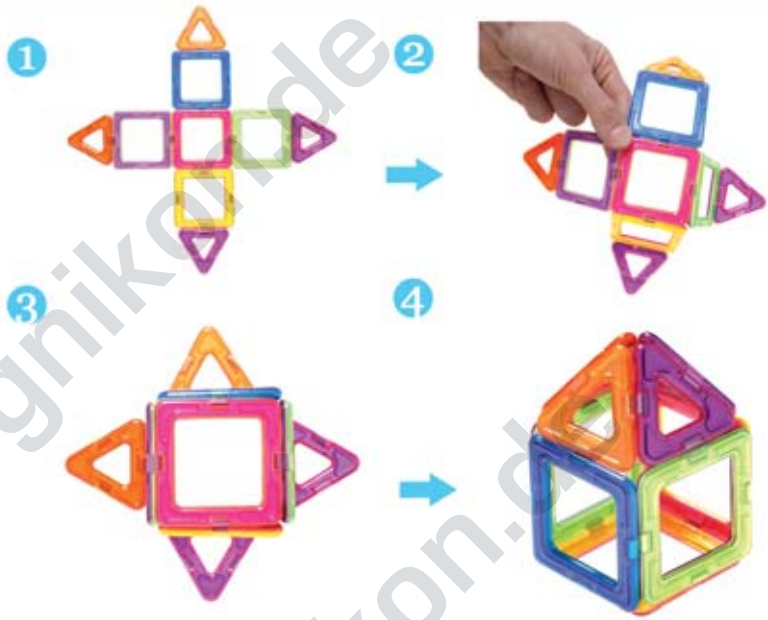
Small castle

Assembly of 3D-Models

Small house

4

5

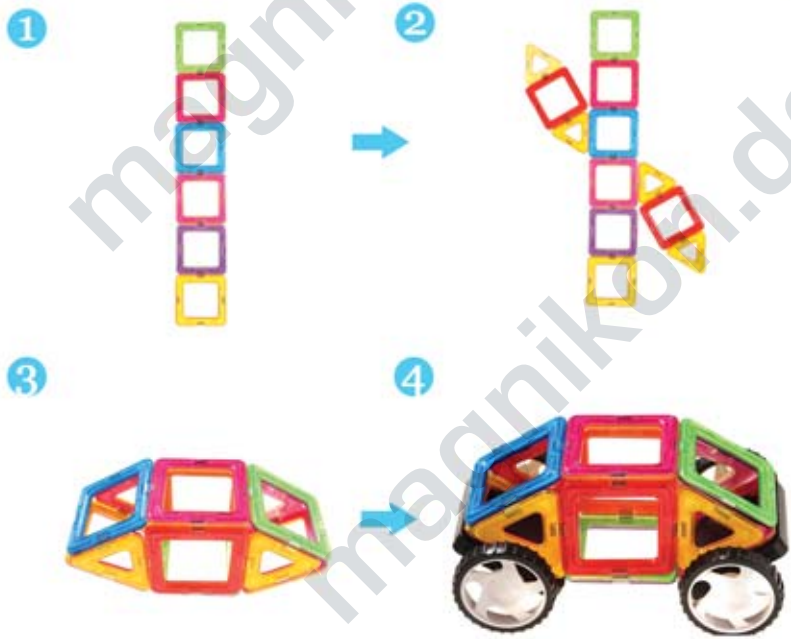


SUV

4

8

2

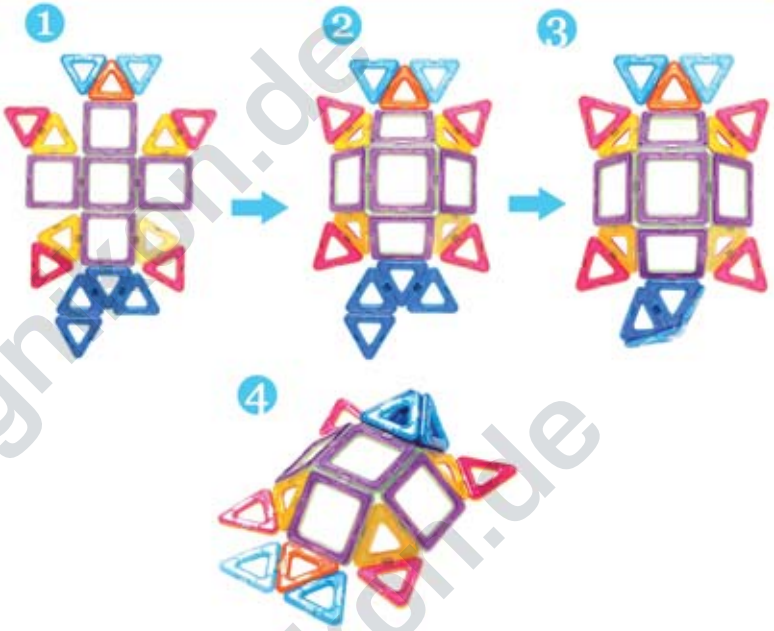


Assembly of 3D-Models

Turtle

15

5



Satellite

15

5

5

Assembly of 3D-Models

Microphone

11

12

Don't forget that you can also play with what you have built.
For example, you can play Superstar and sing into the microphone!

Race car

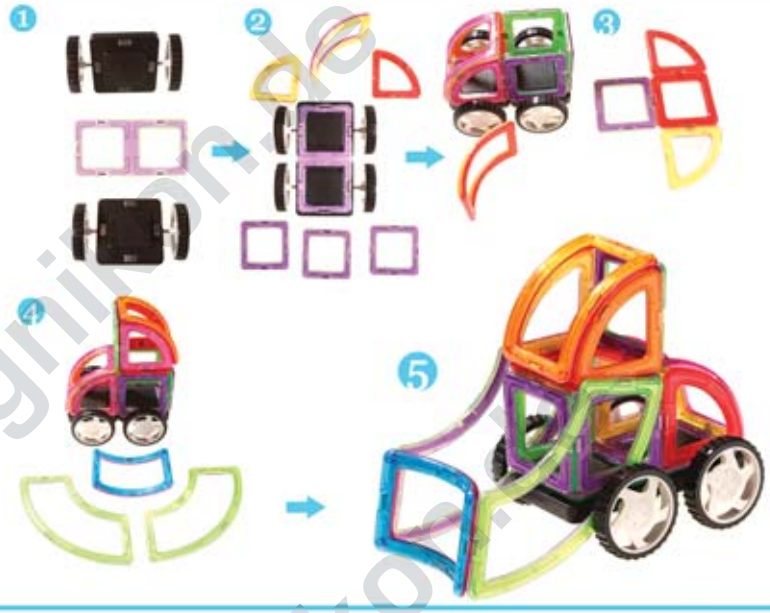
9

5

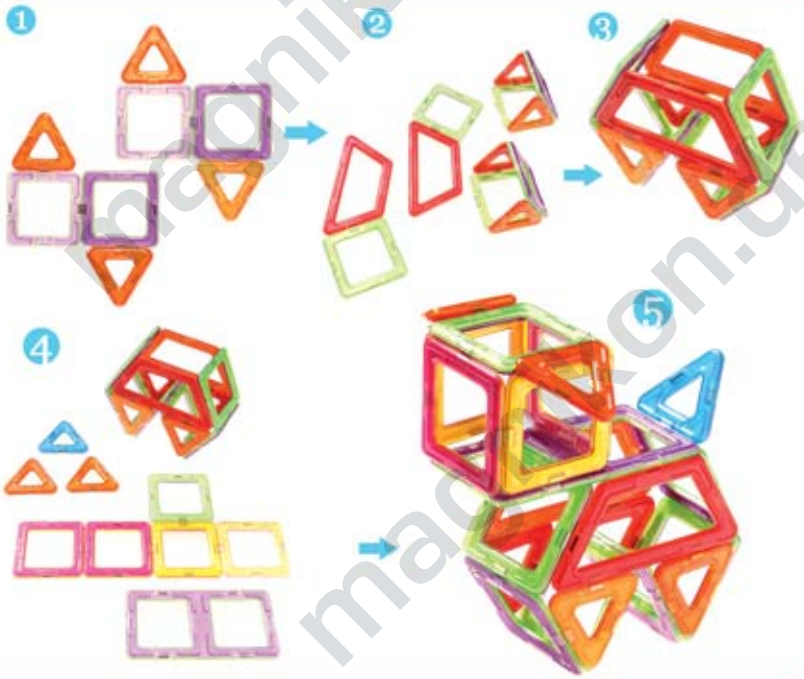
2

Assembly of 3D-Models

Bulldozer



Puppy



Assembly of 3D-Models

Squirrel with nuts

Assembly of 3D-Models

Mongolian yurt

A traditional yurt is a portable, round tent covered with skins or felt and used as a dwelling by several distinct nomadic groups in the steppes of Central Asia.

Assembly of 3D-Models

Bag

8

8

Diamond

12

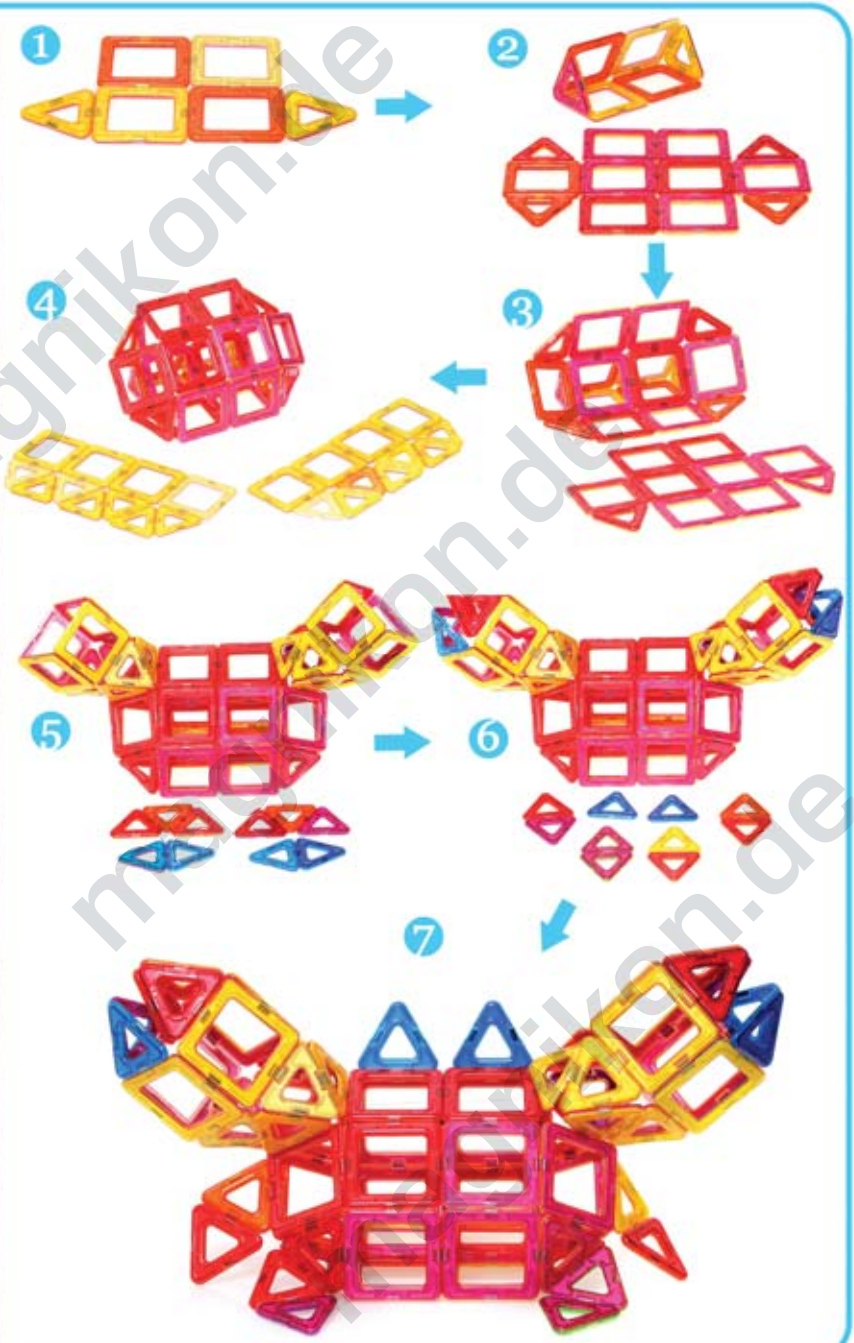
1

8

Assembly of 3D-Models

42

28



Crab

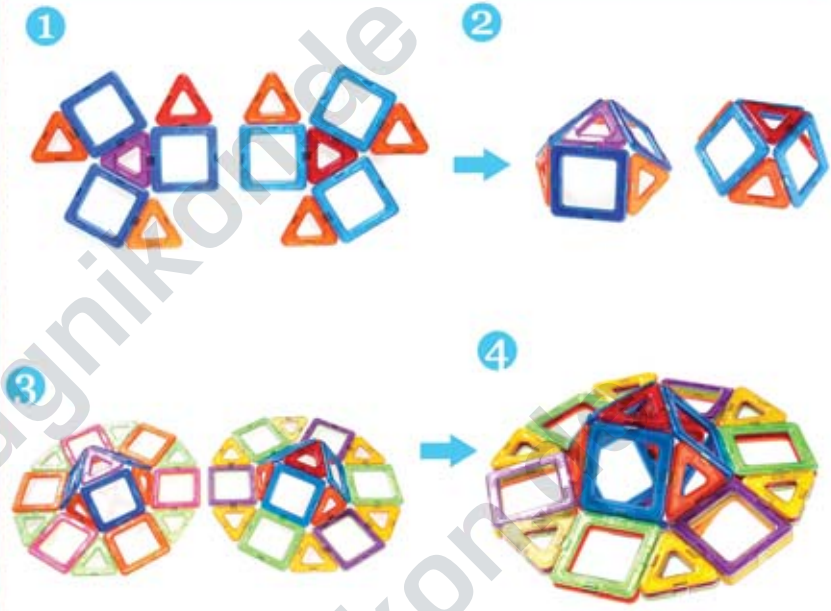
Crabs can lose their legs, but they can grow back.
So these animals can regenerate their limbs.

Assembly of 3D-Models

UFO

20

18



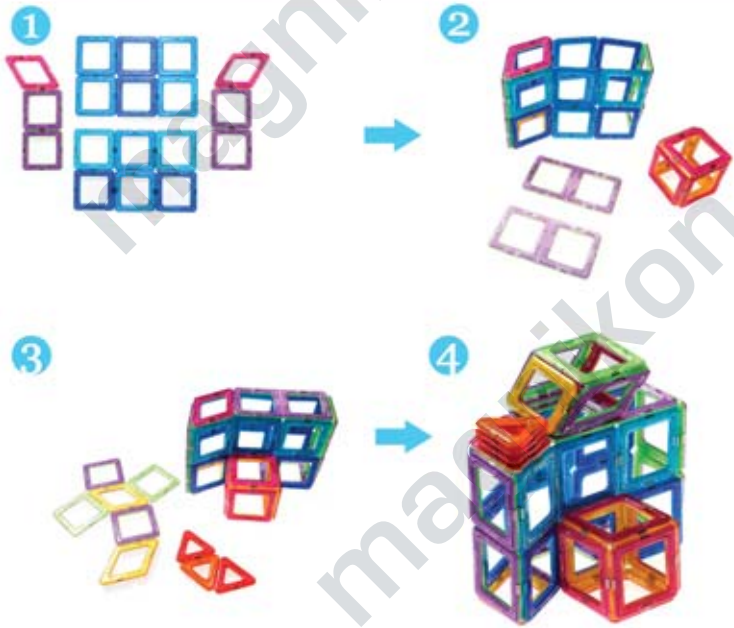
Camera

3

26

4

2



Assembly of 3D-Models

36

36

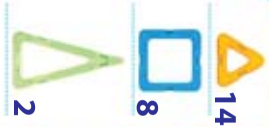
T

Z

Tall bell tower

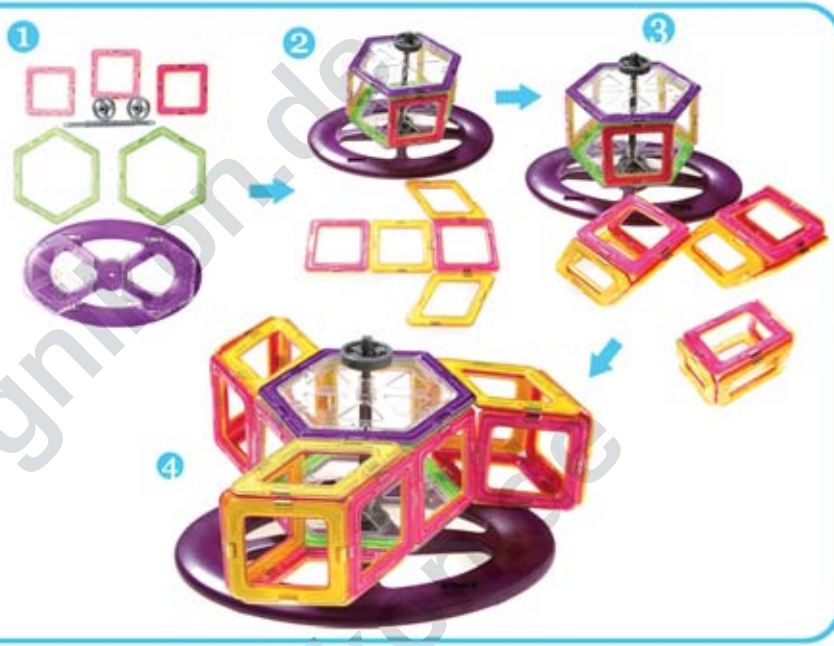
Bunny

A thump noise is made when the bunny hits their hind leg against the ground to communicate to others that they should "watch out."



Assembly of 3D-Models

Carousel



Small bell tower

Assembly of 3D-Models

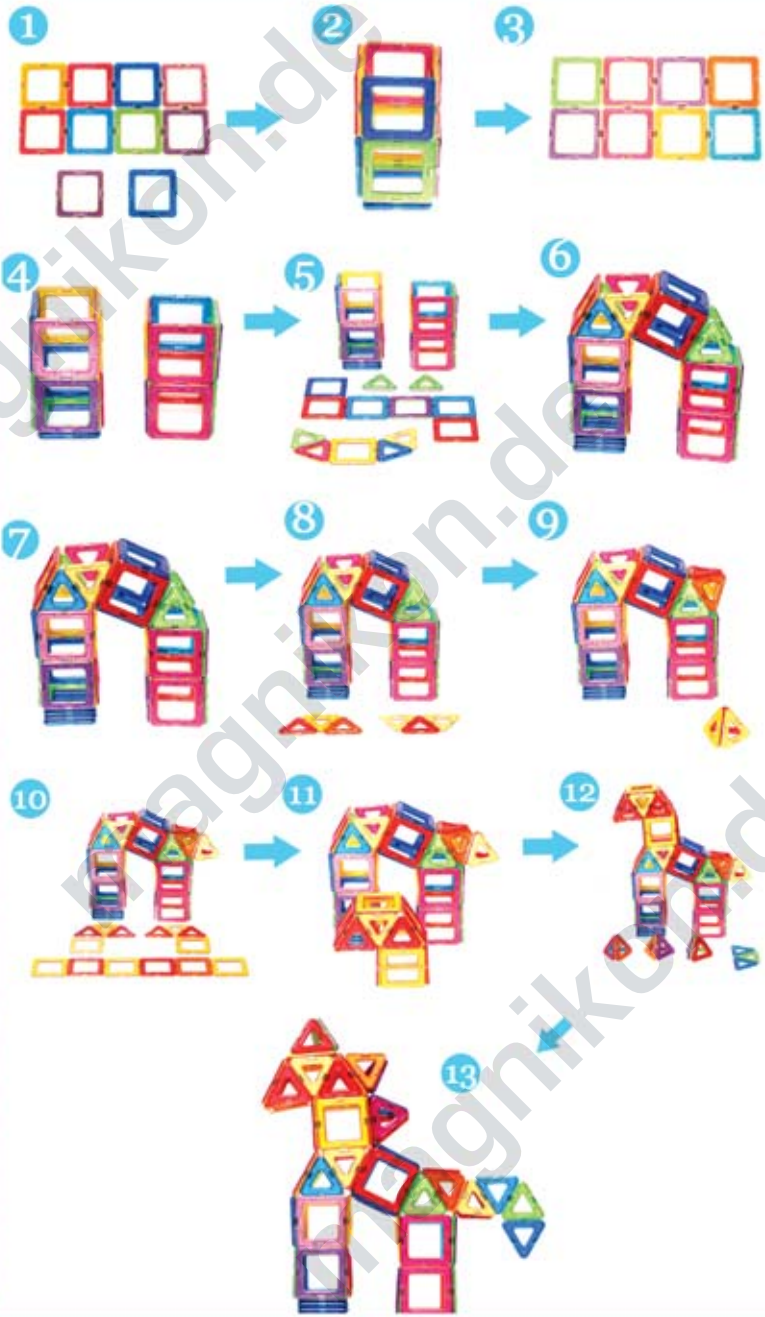
Trophy cup

Ferris wheel

Assembly of 3D-Models

12

30

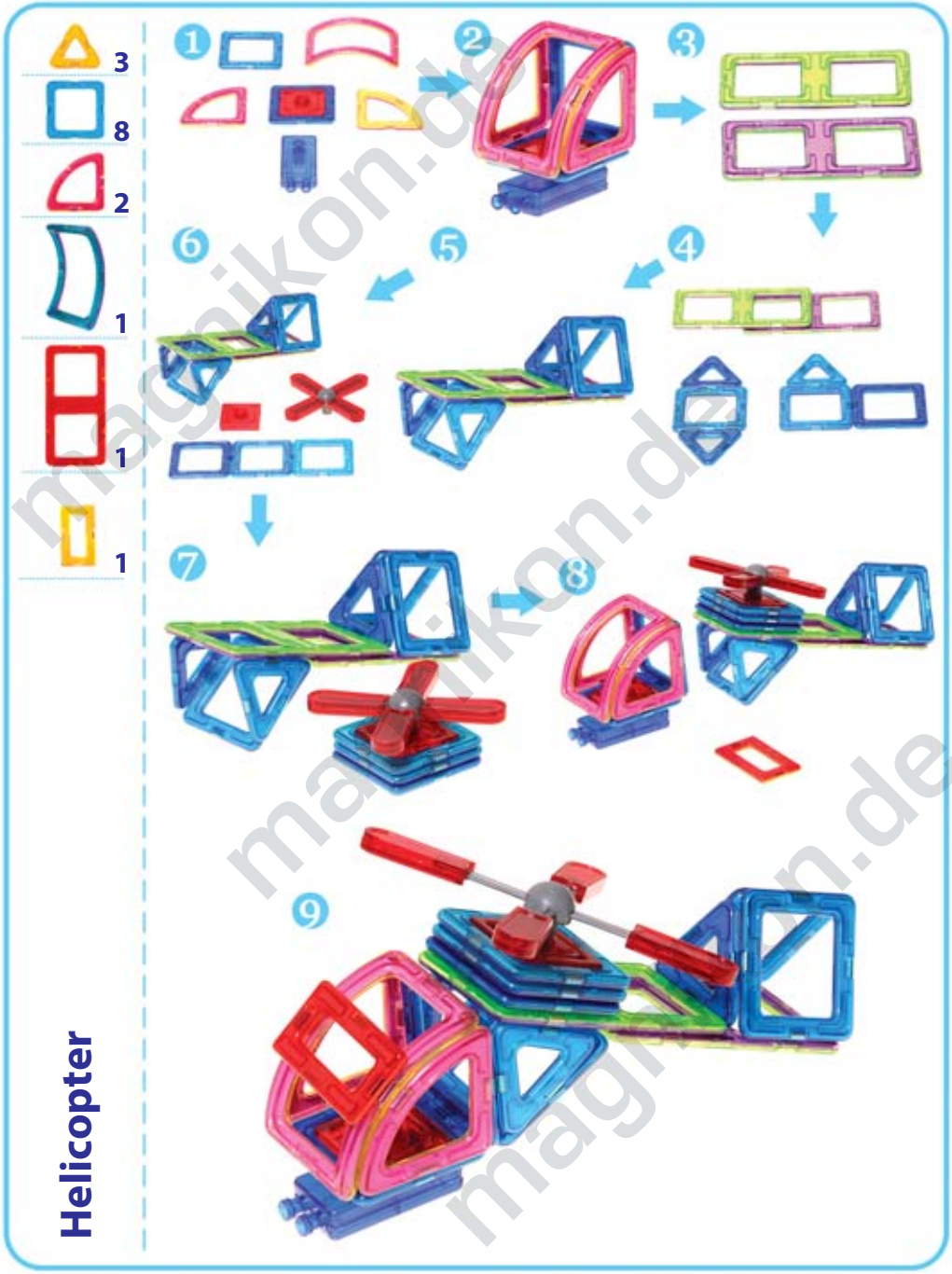


Horse

Assembly of 3D-Models

Bear

Assembly of 3D-Models



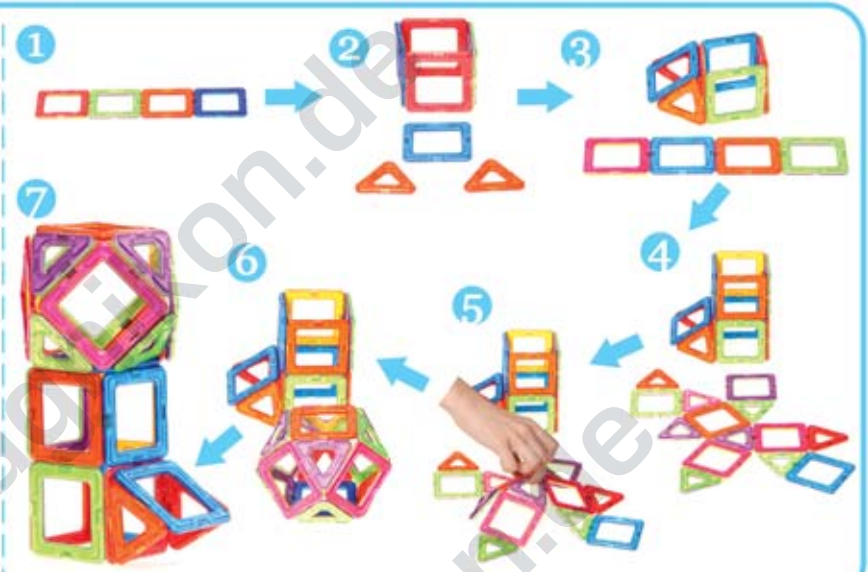
Helicopter

Assembly of 3D-Models

Der Aussichtsturm

10

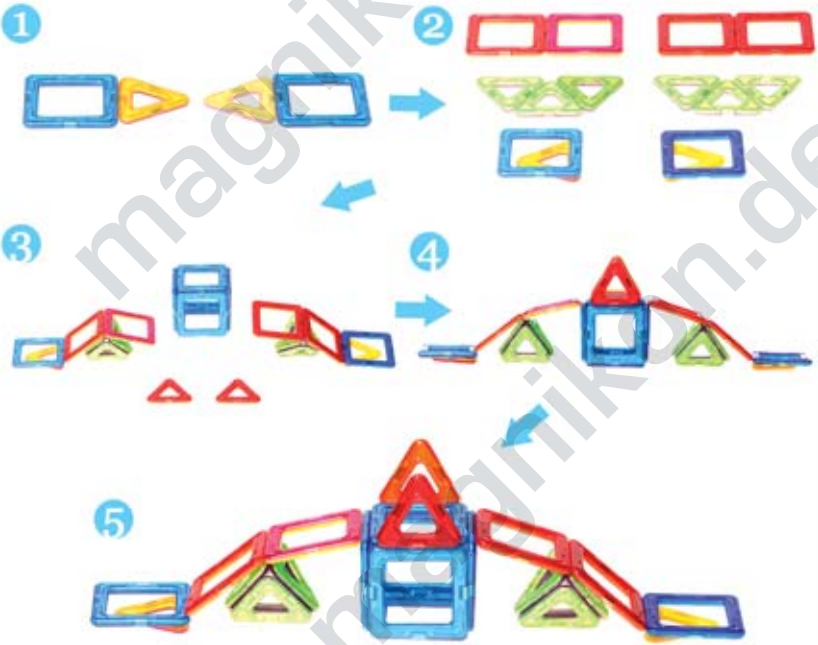
15



Archway

10

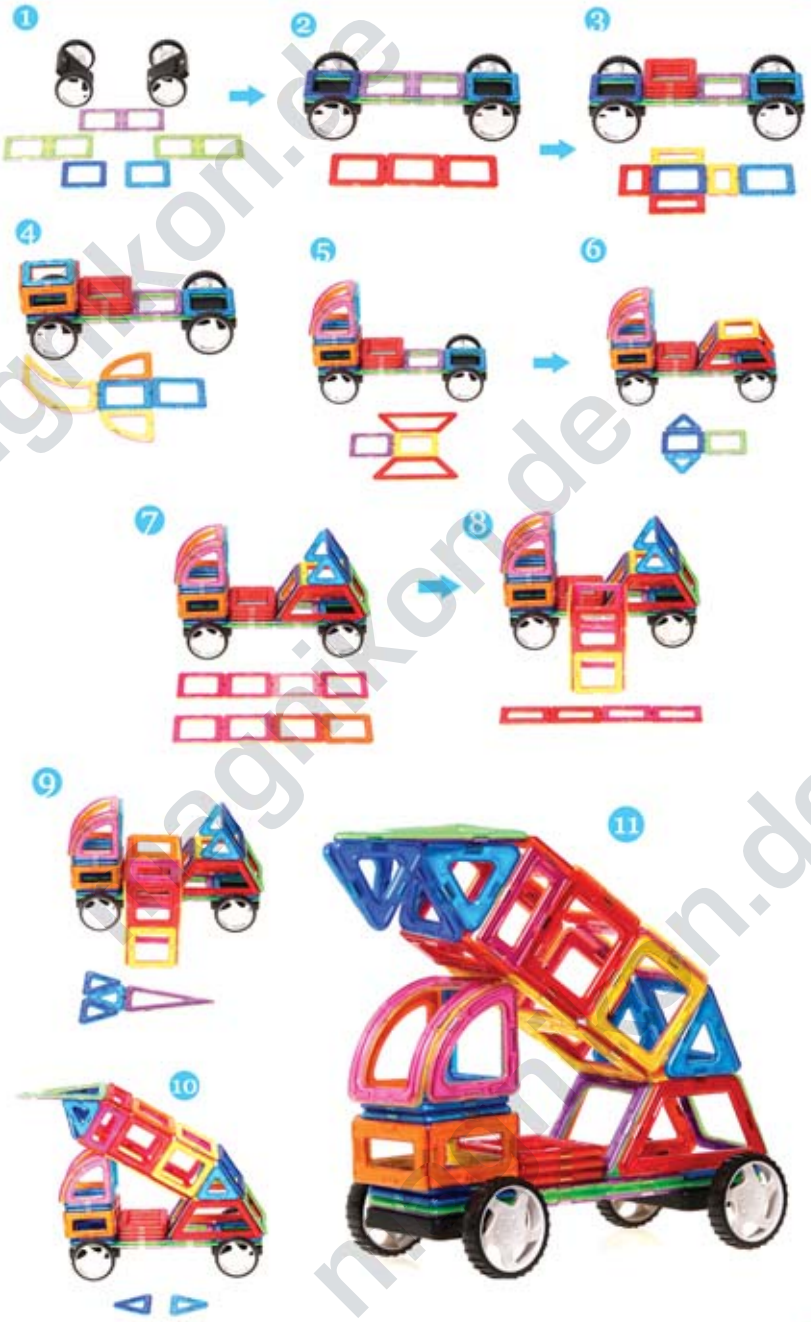
12



Assembly of 3D-Models

Propeller airplane

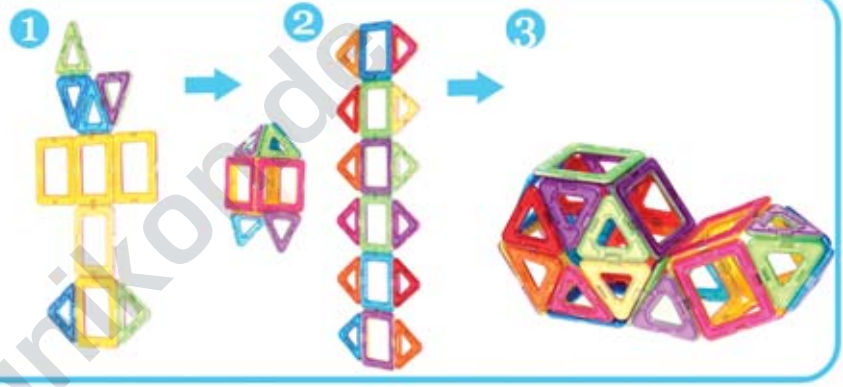
Assembly of 3D-Models



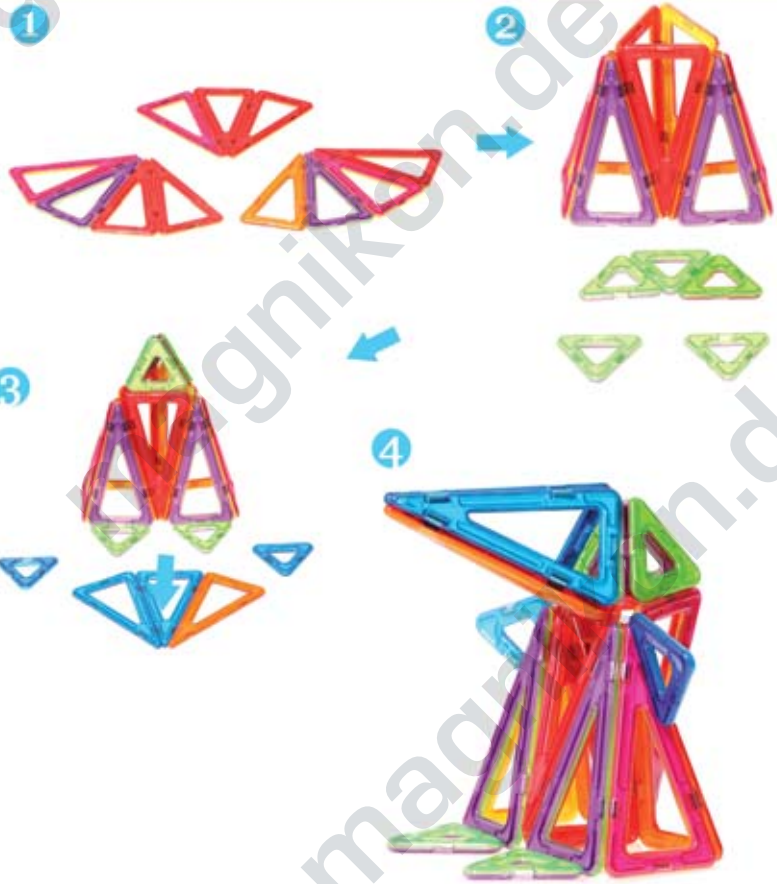
Truck crane

Assembly of 3D-Models

Snail



Penguin

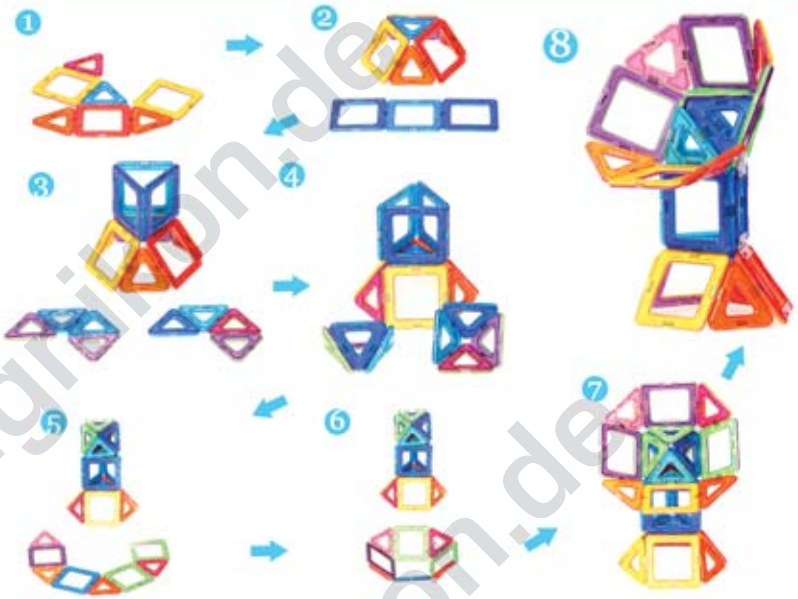


Assembly of 3D-Models

Radar

16

10



Lighthouse

12

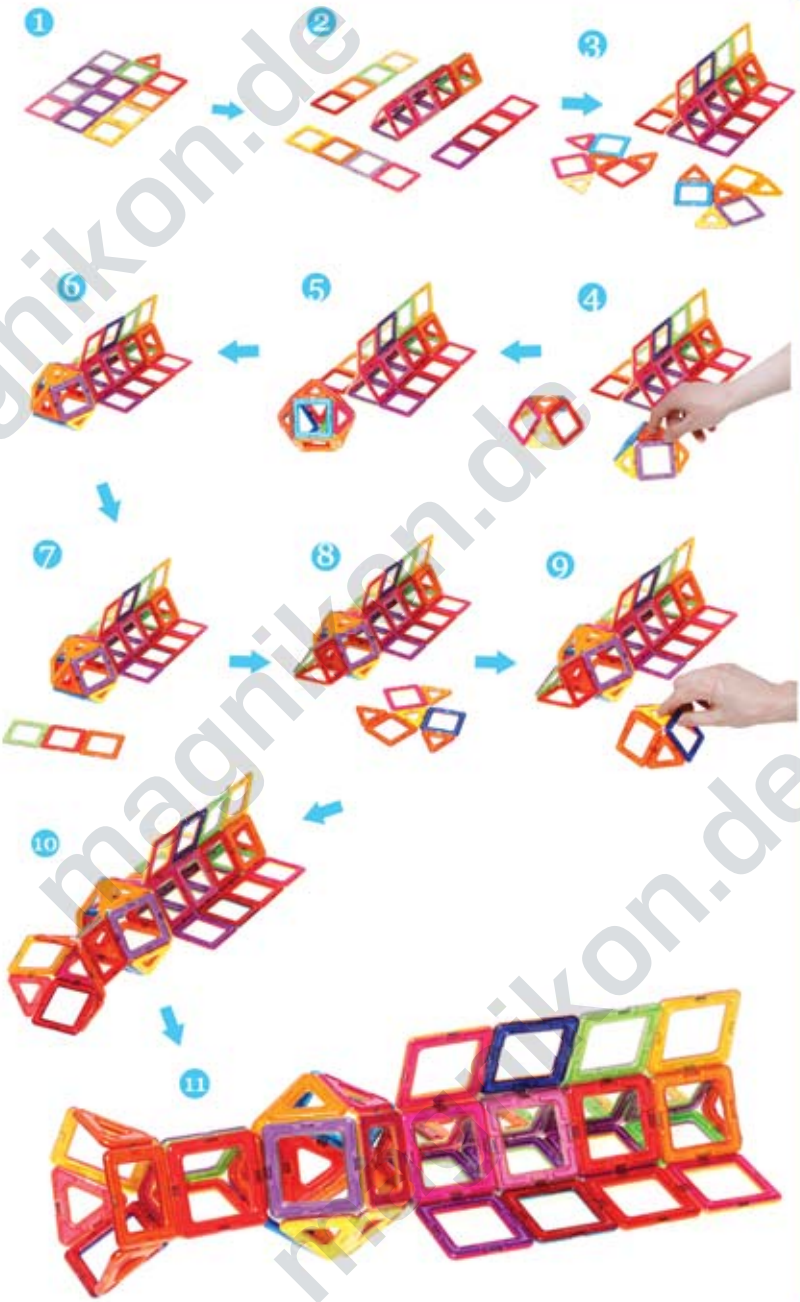
18

1

Assembly of 3D-Models

13

36



Space station

Assembly of 3D-Models

Lunar rover

Assembly of 3D-Models

Starfish

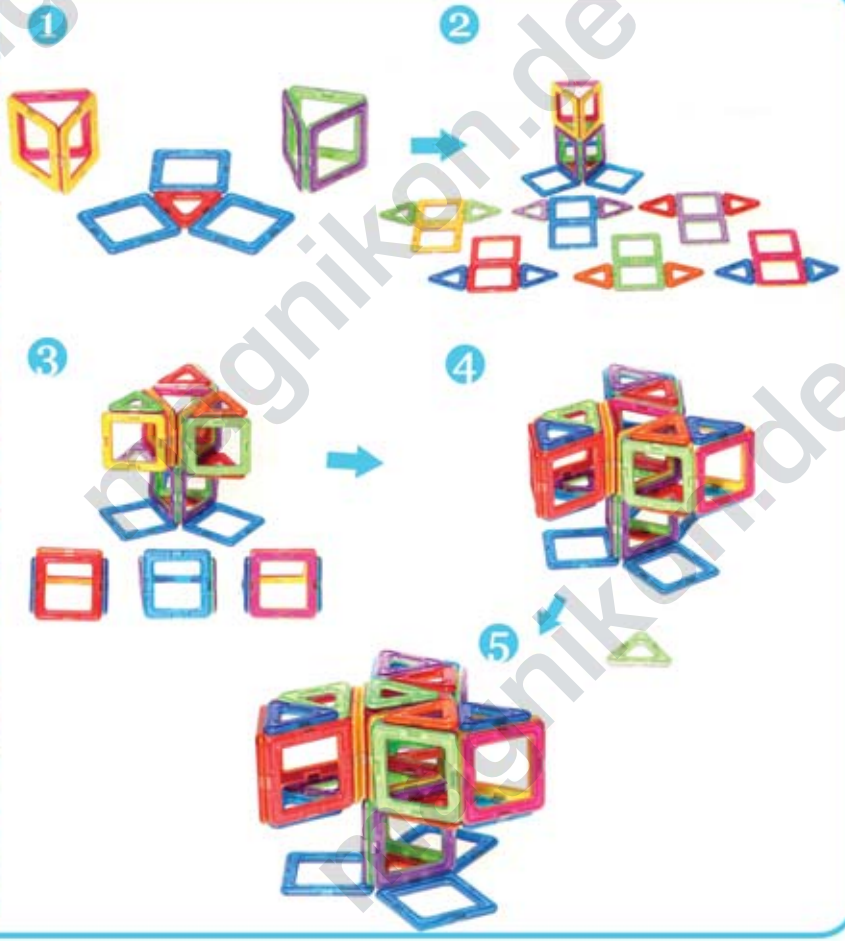
16

22

Orbital station

14

21

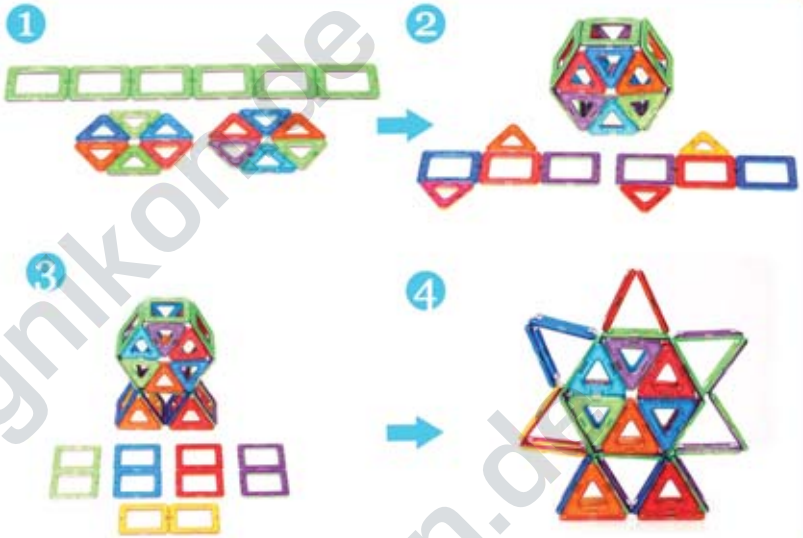


Assembly of 3D-Models

Ferris wheel

16

22

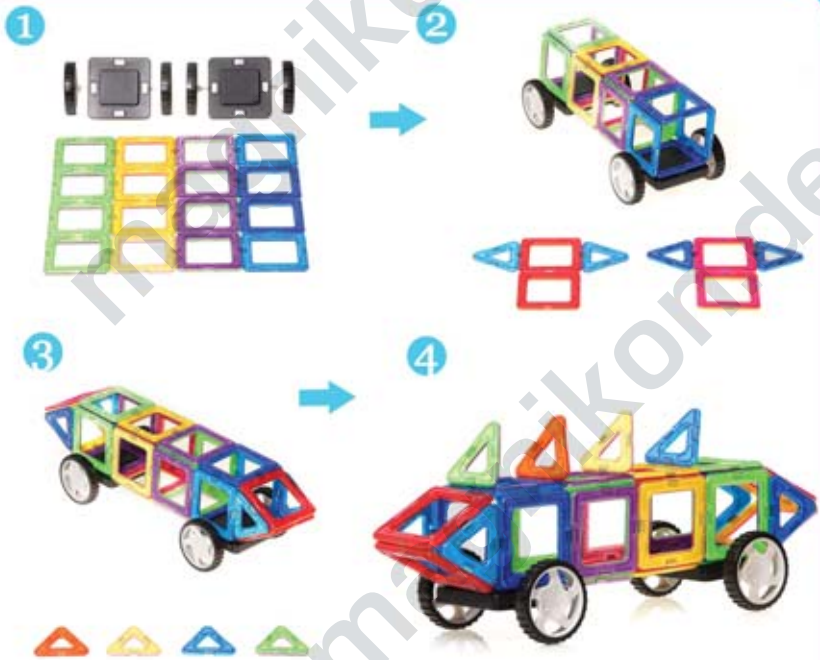


Armored train

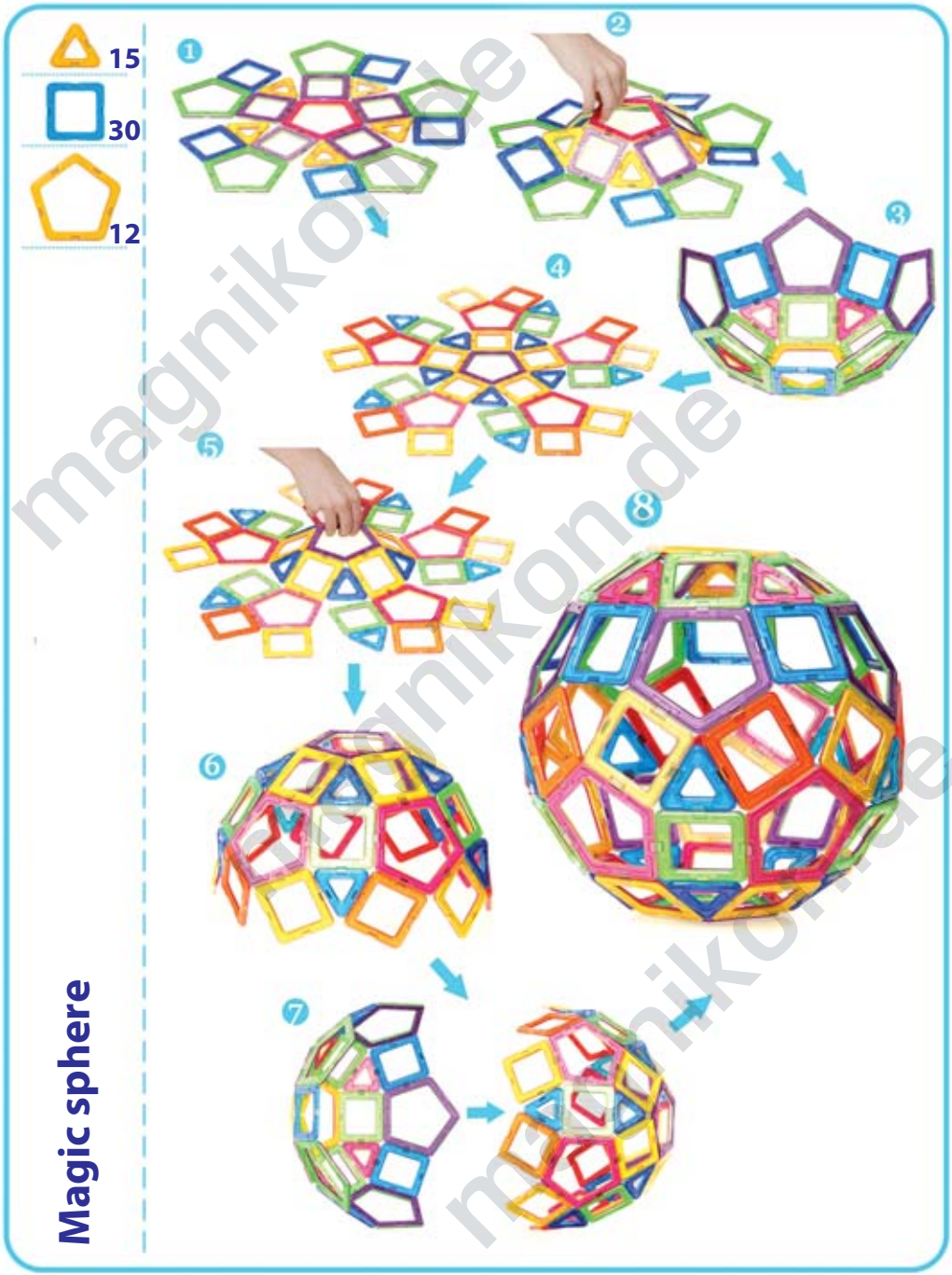
8

20

2



Assembly of 3D-Models



Assembly of 3D-Models

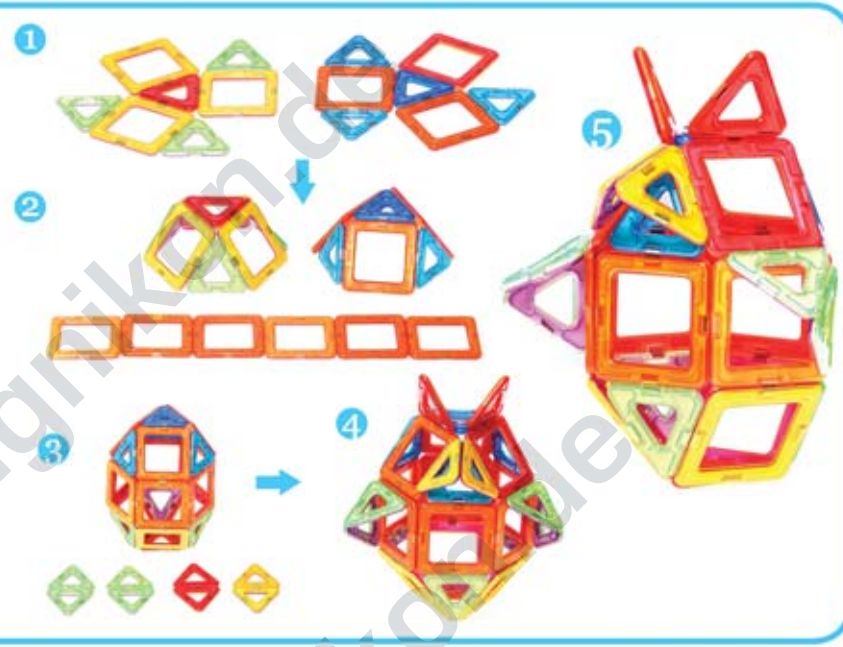
Robot "MAGNIKON"

Assembly of 3D-Models

Owl

16

12



Airplane

4

14

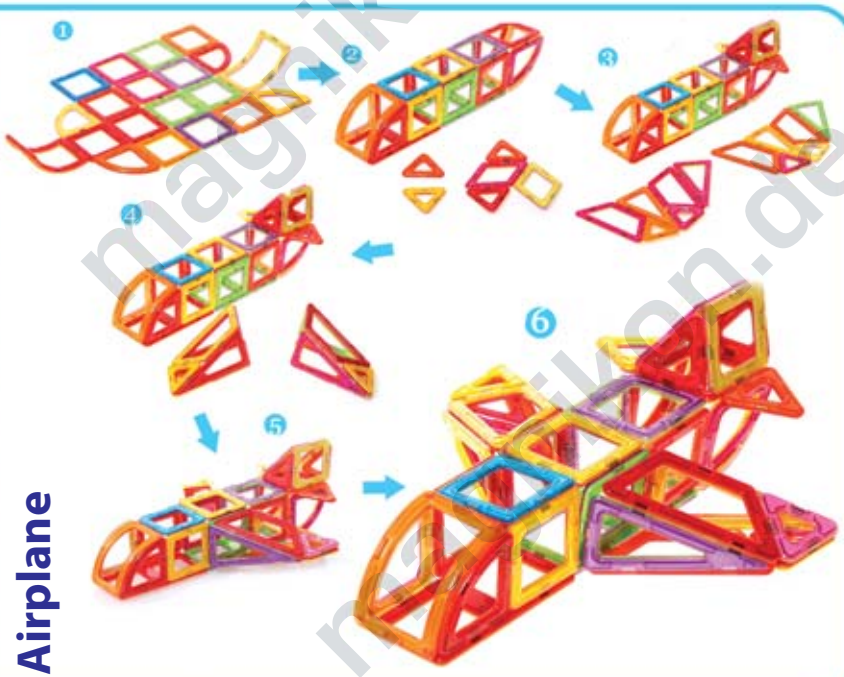
4

4

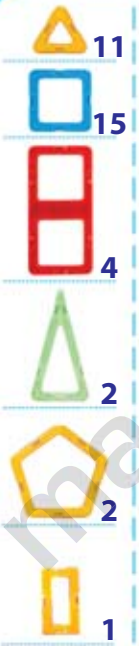
2

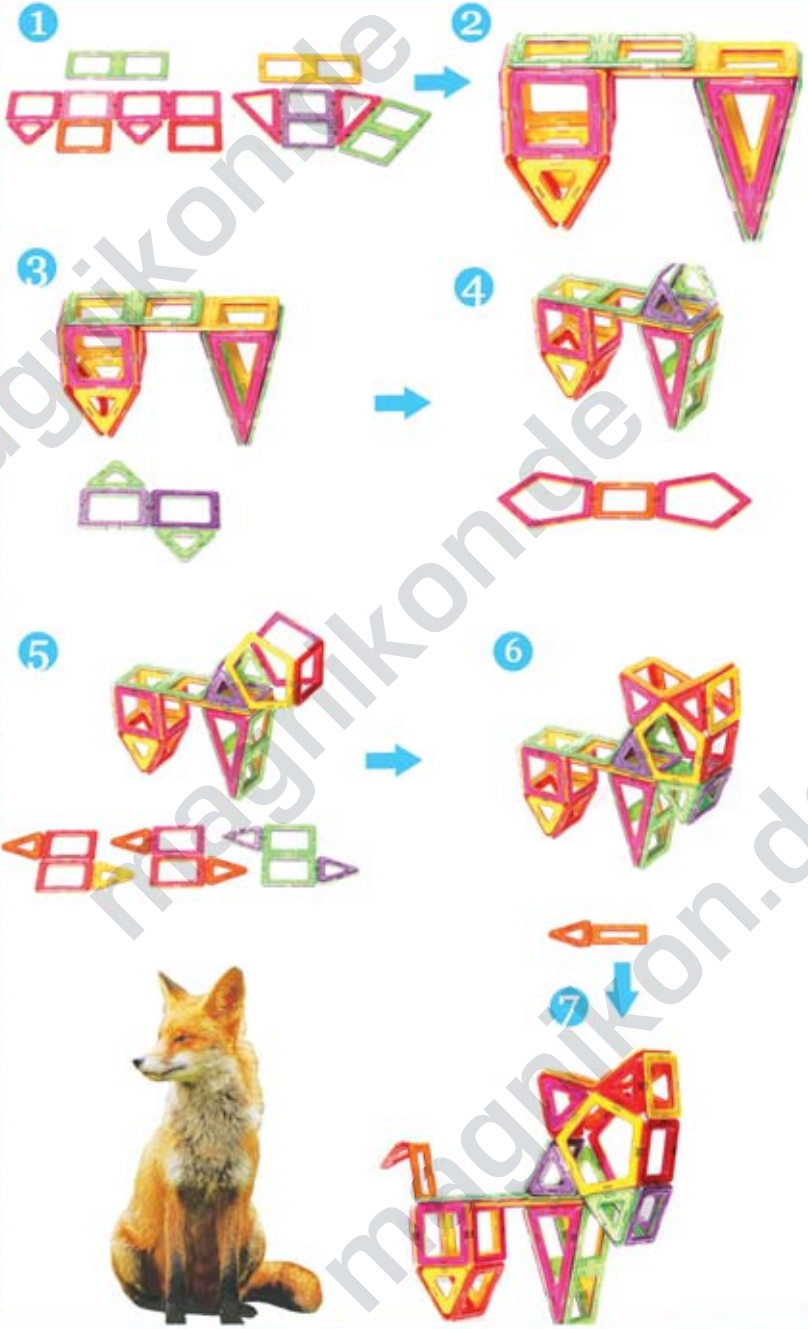
4

2



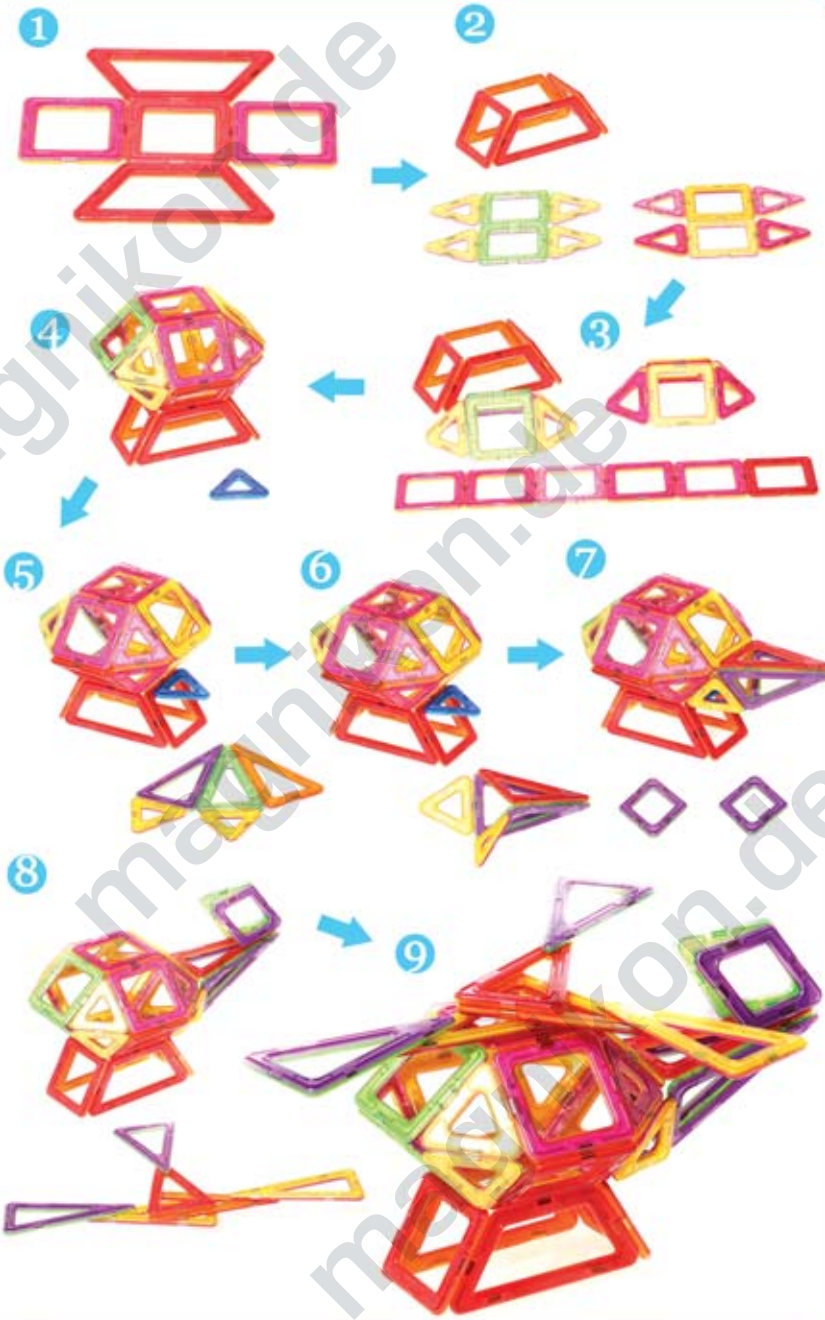
Assembly of 3D-Models





Fox

Assembly of 3D-Models



Single seat helicopter

Assembly of 3D-Models

Jet

Assembly of 3D-Models

Cab

Assembly of 3D-Models

Trailer

Assembly of 3D-Models

Race Car

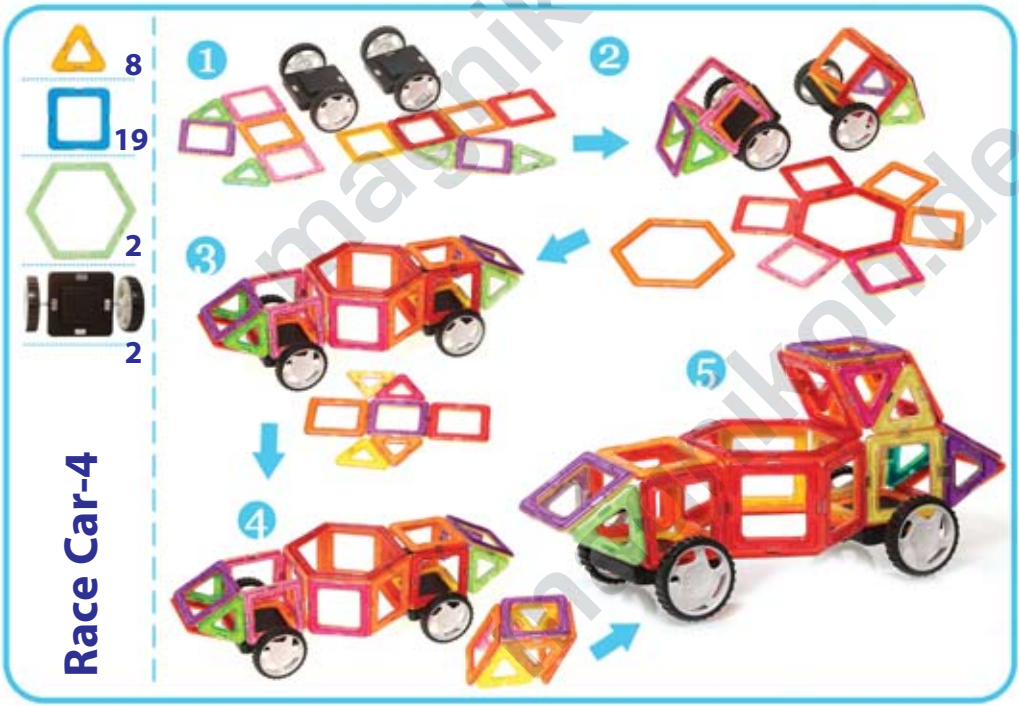
8
6
2

Race Car-2

8
15
2
2

Assembly of 3D-Models

Race Car-3



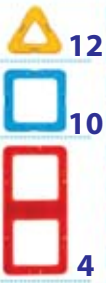
Race Car-4

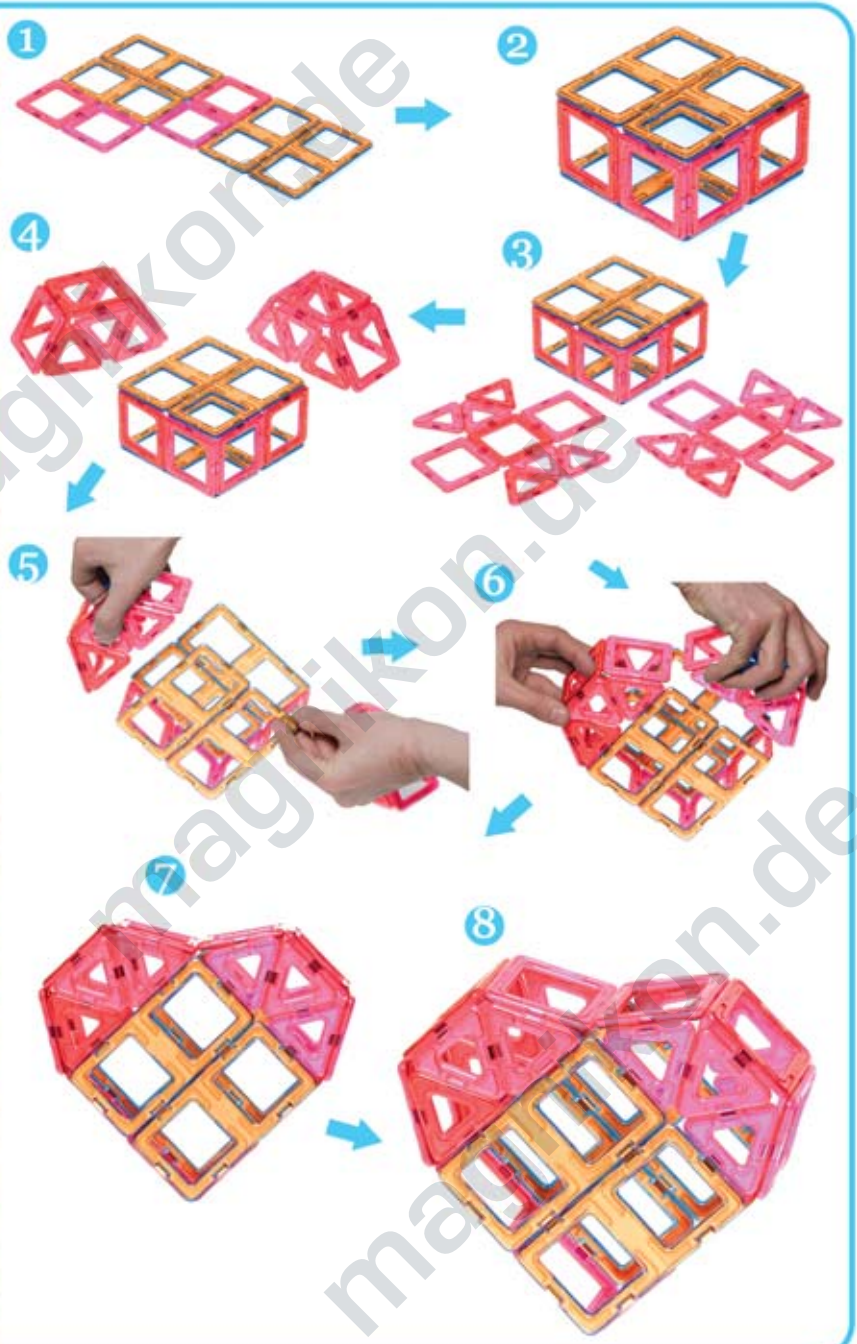
Assembly of 3D-Models

Car

Car-2

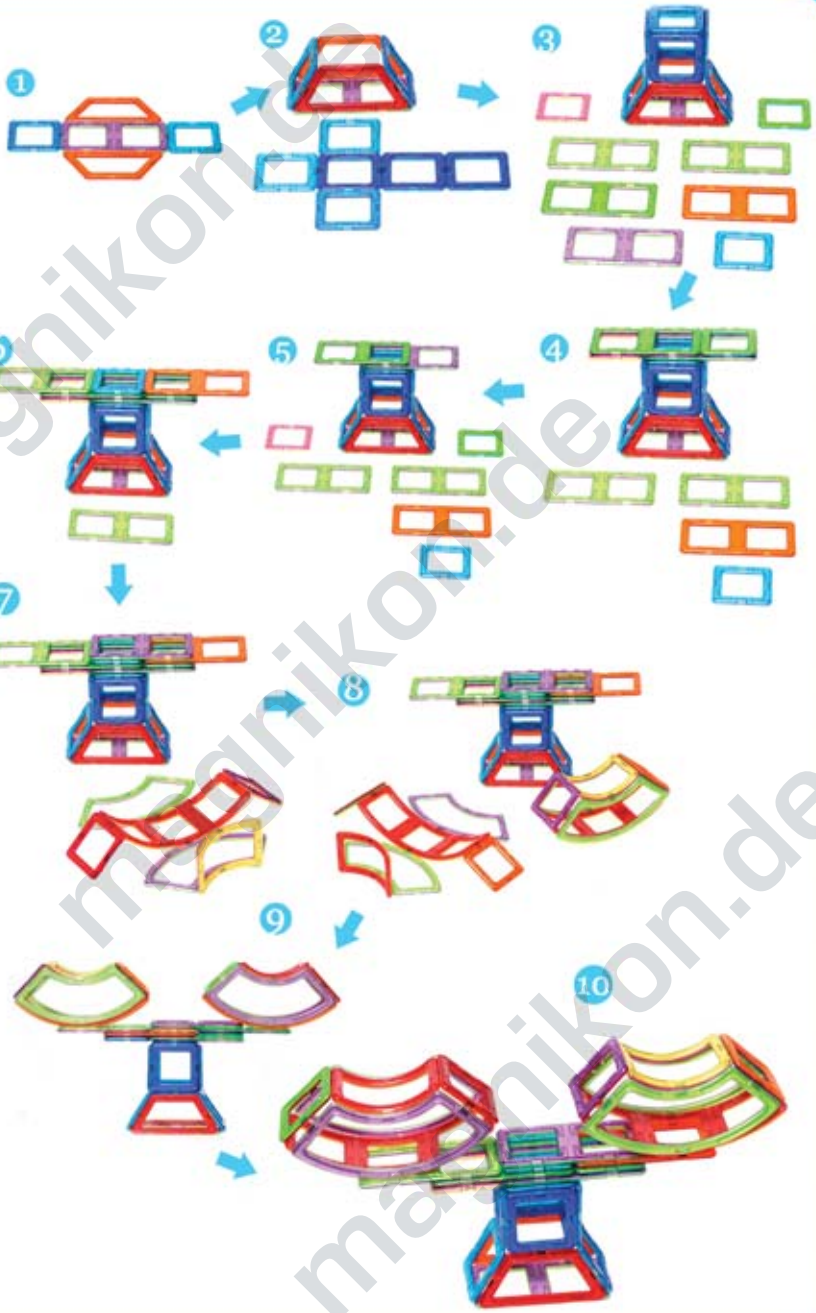
Assembly of 3D-Models





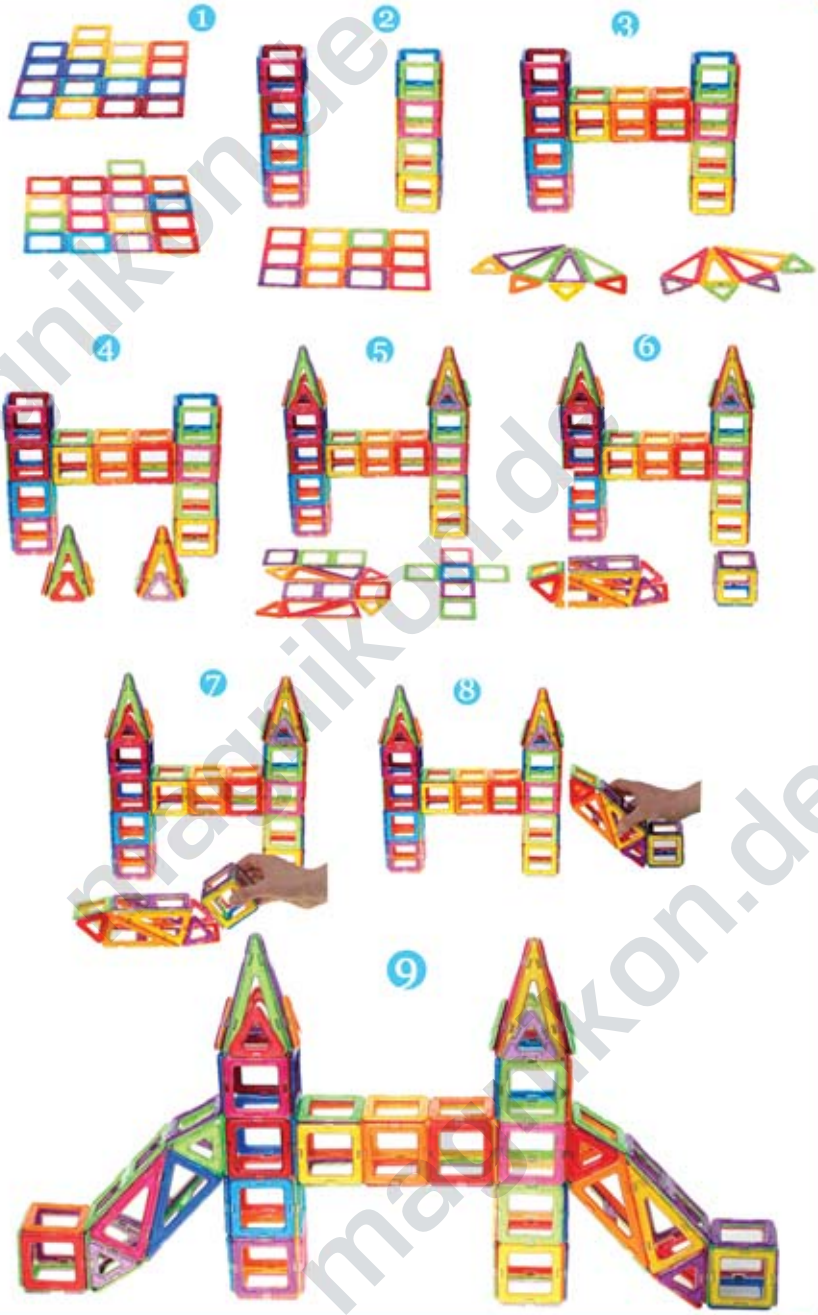
Heart

Assembly of 3D-Models



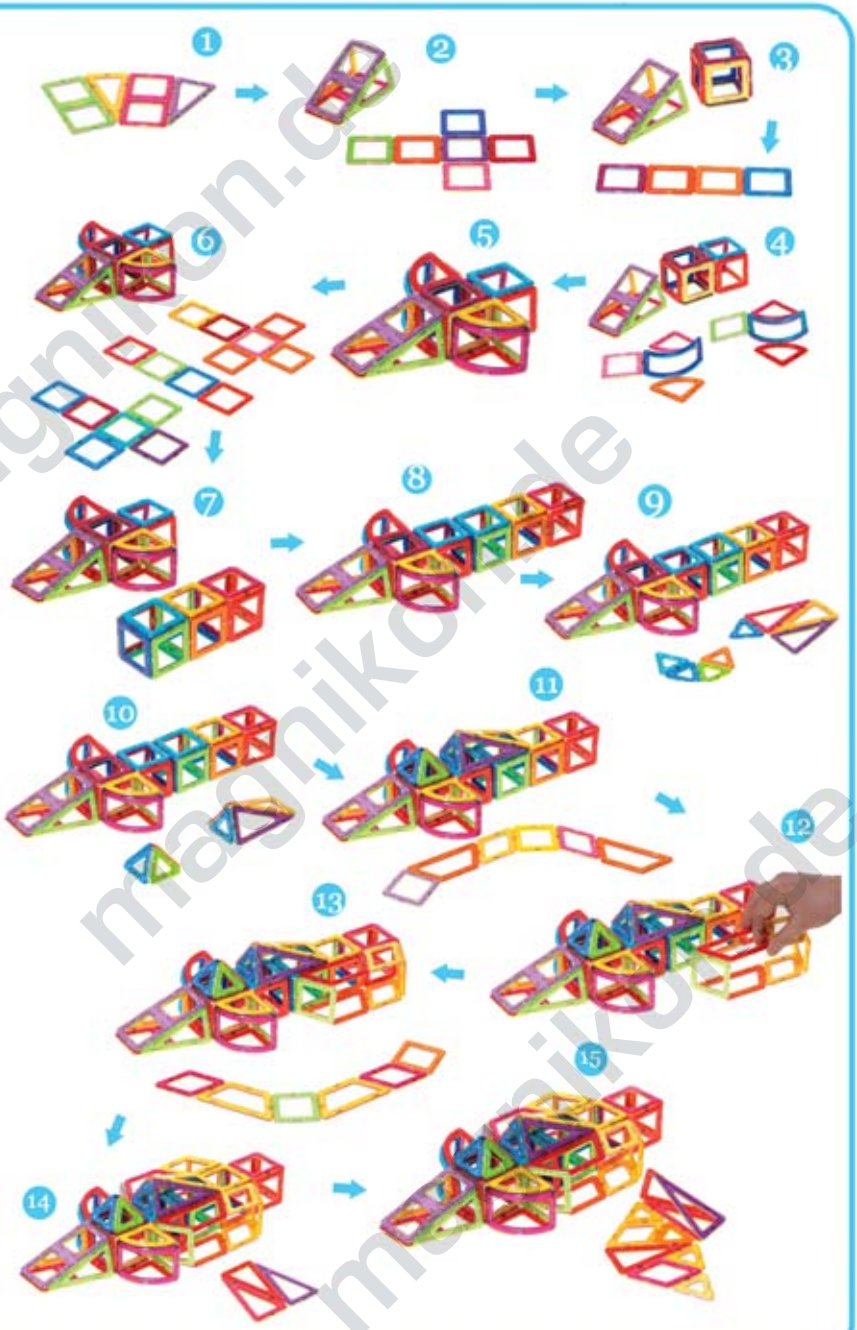
Scale

Assembly of 3D-Models



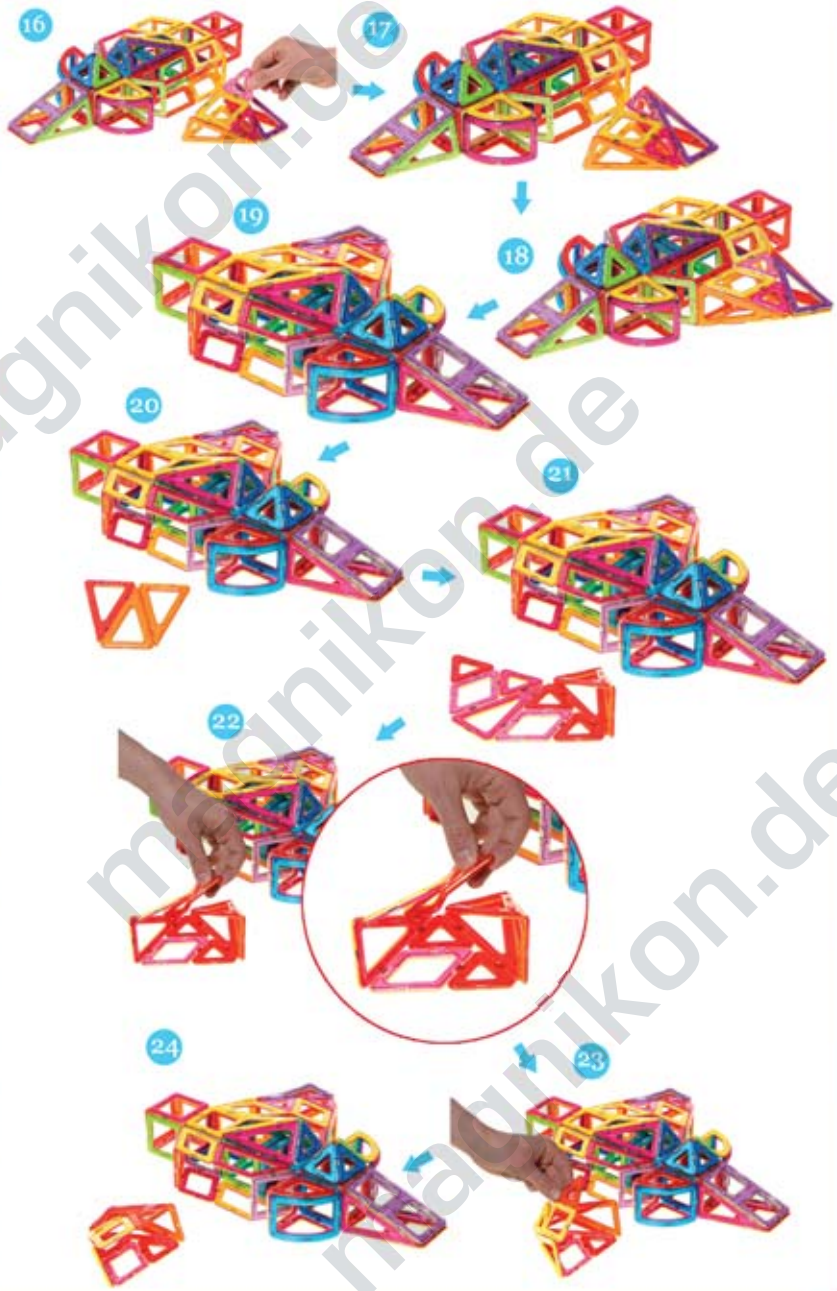
The Tower Bridge

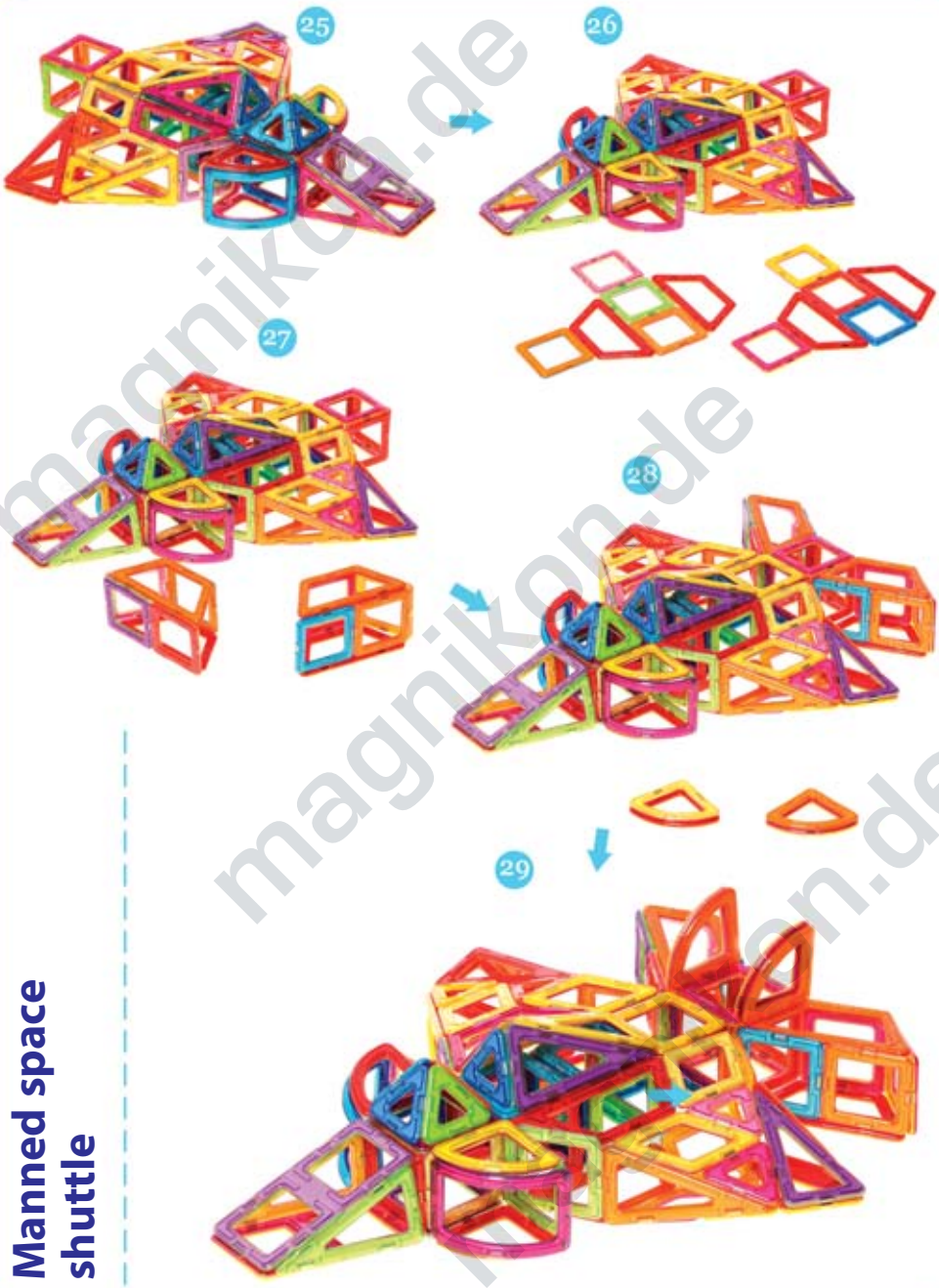
Assembly of 3D-Models



Manned space shuttle

Manned space shuttle





Manned space shuttle

Assembly of 3D-Models

Dolphin

Assembly of 3D-Models

Turtle

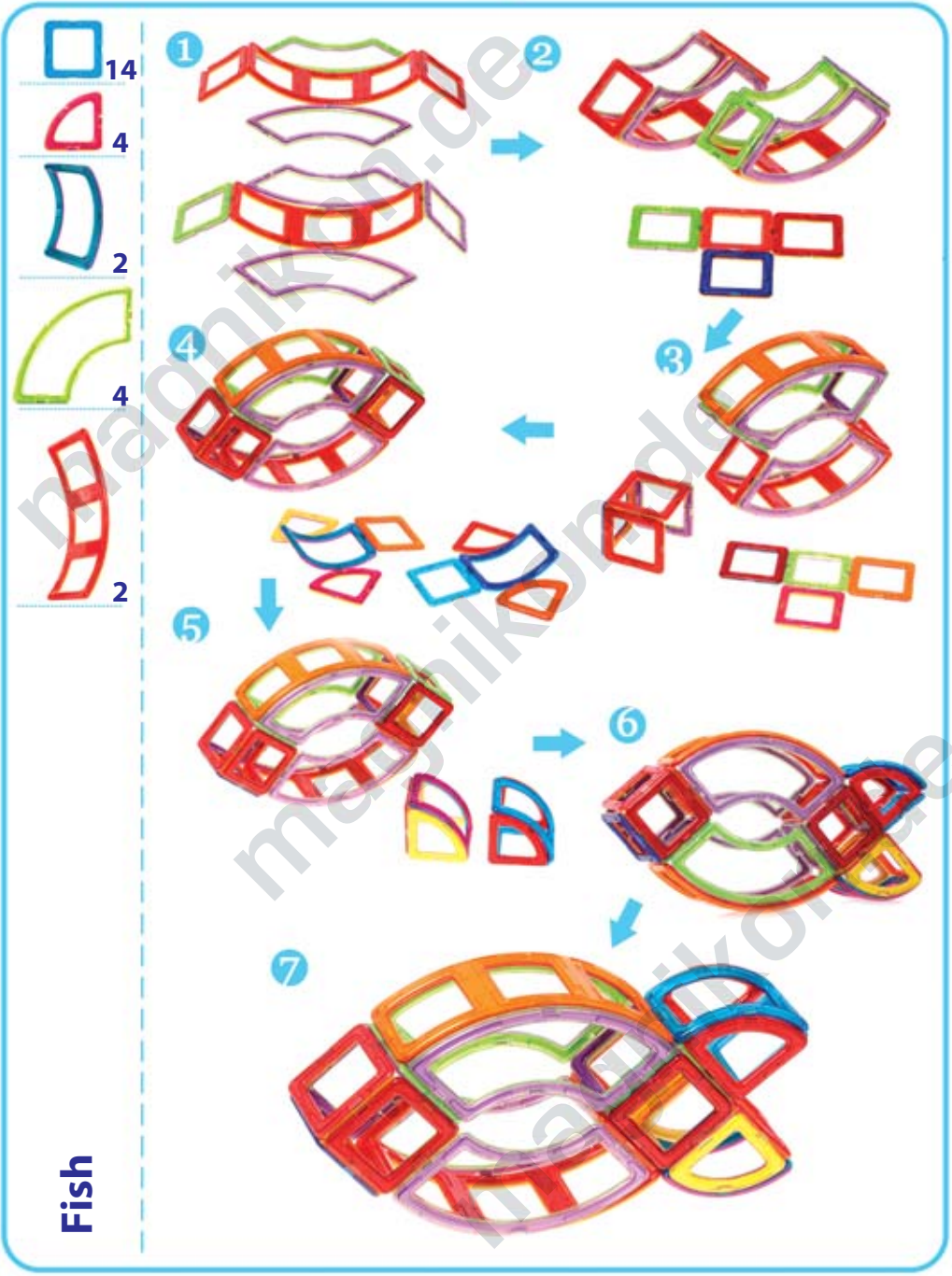
The ancestors of today's turtles had teeth and couldn't hide their heads in shells.

Assembly of 3D-Models

Diplodocus

A diplodocus was around 35 m tall.
It is comparable with a 9-floor building.

Assembly of 3D-Models

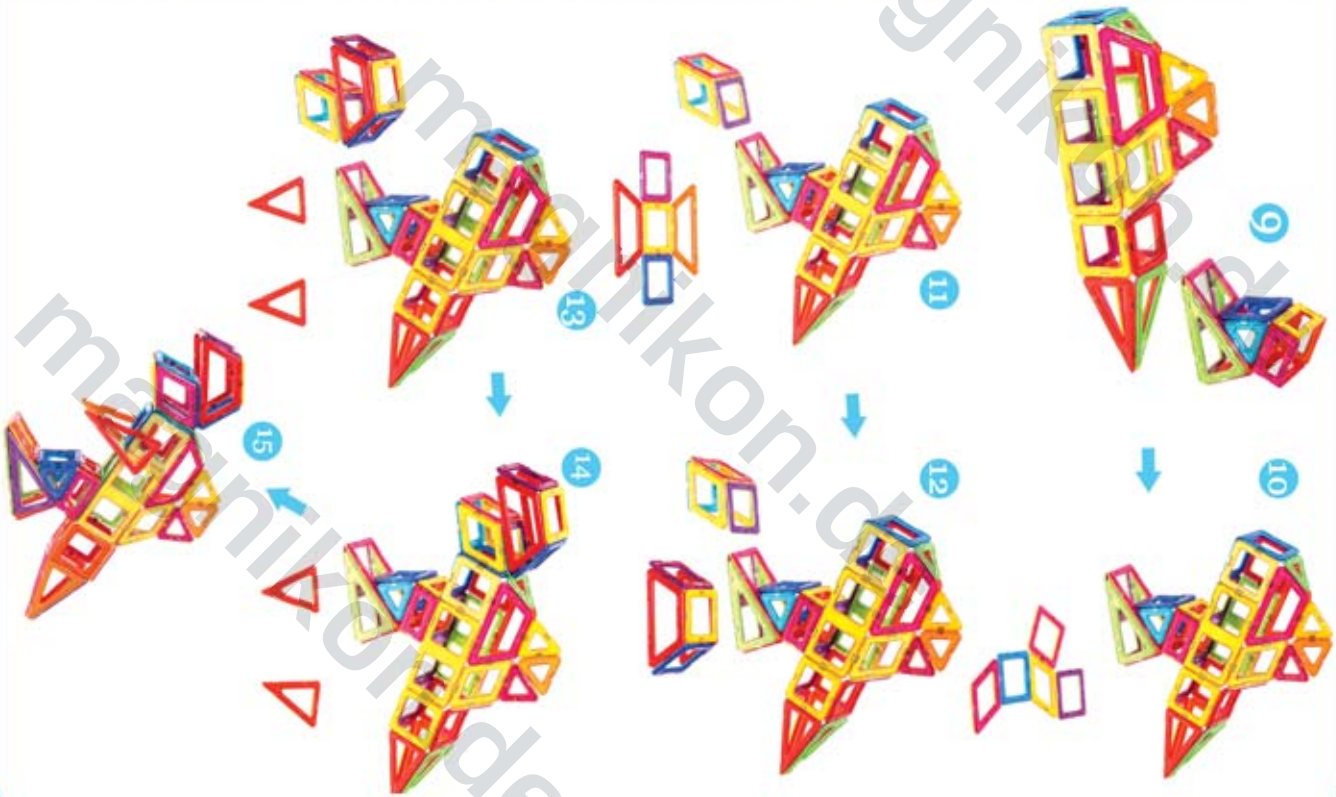


Fish

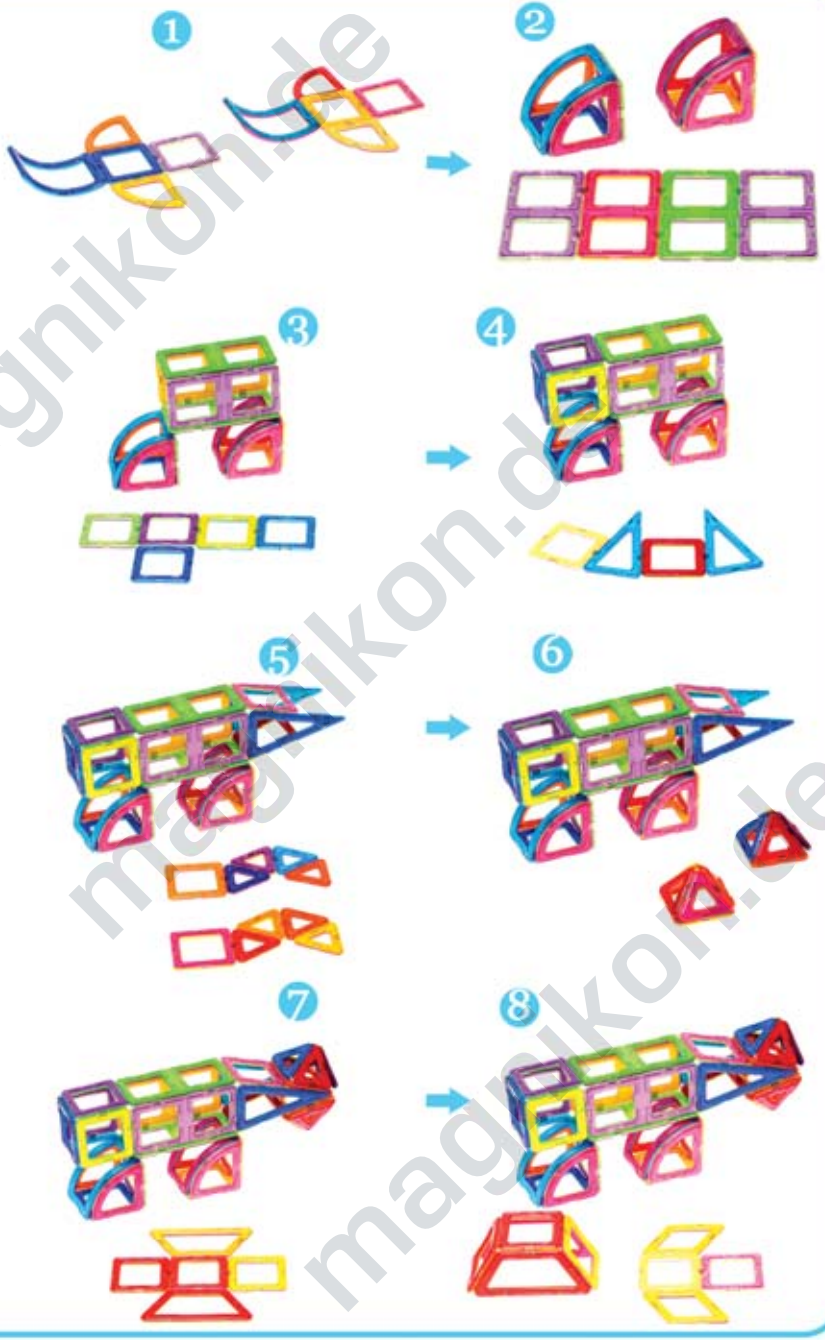
Assembly of 3D-Models

Tyrannosaurus

Researchers have thoroughly investigated teeth of Tyrannosaurus. Researchers have found that the saw-like internal tooth structure of the Tyrannosaurus Rex may have played an important role in their success as predators. When teeth were worn out or lost, these dinosaurs were able to grow new teeth to replace them.

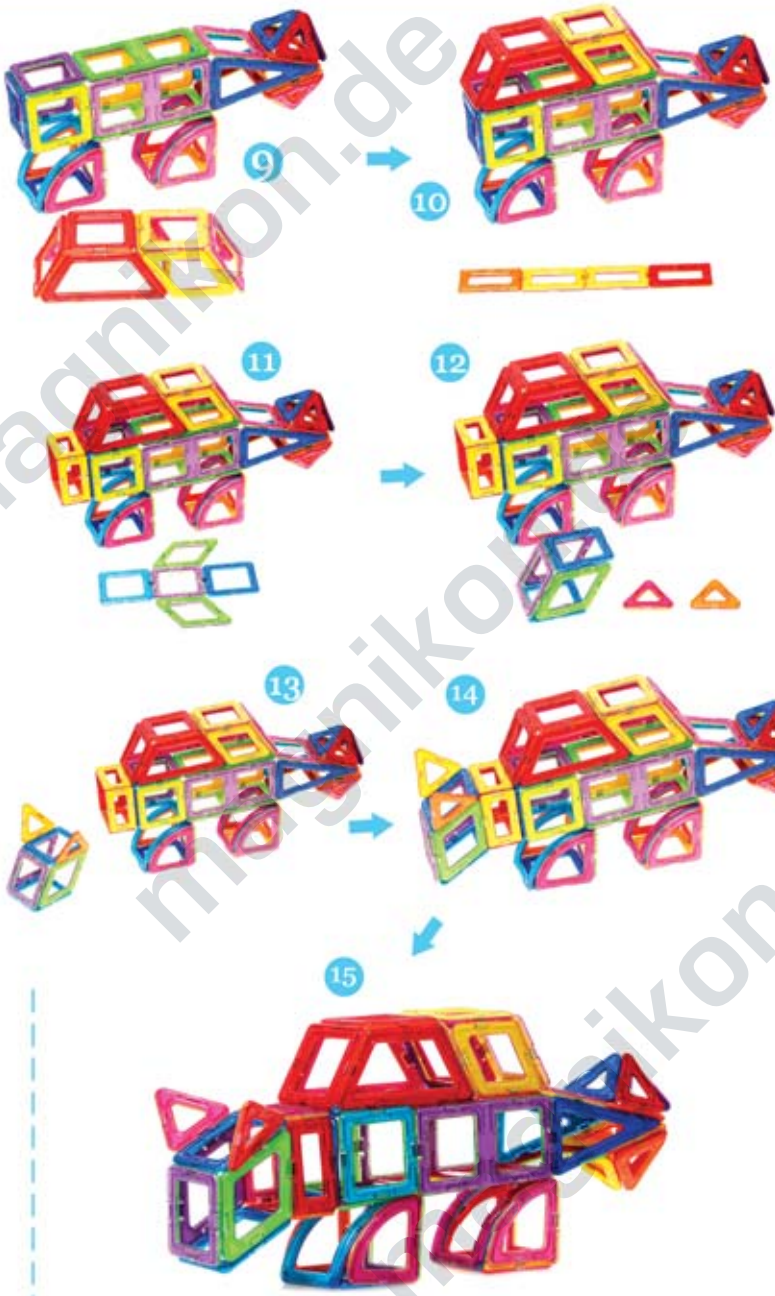


Assembly of 3D-Models



Ankylosaurus

Assembly of 3D-Models

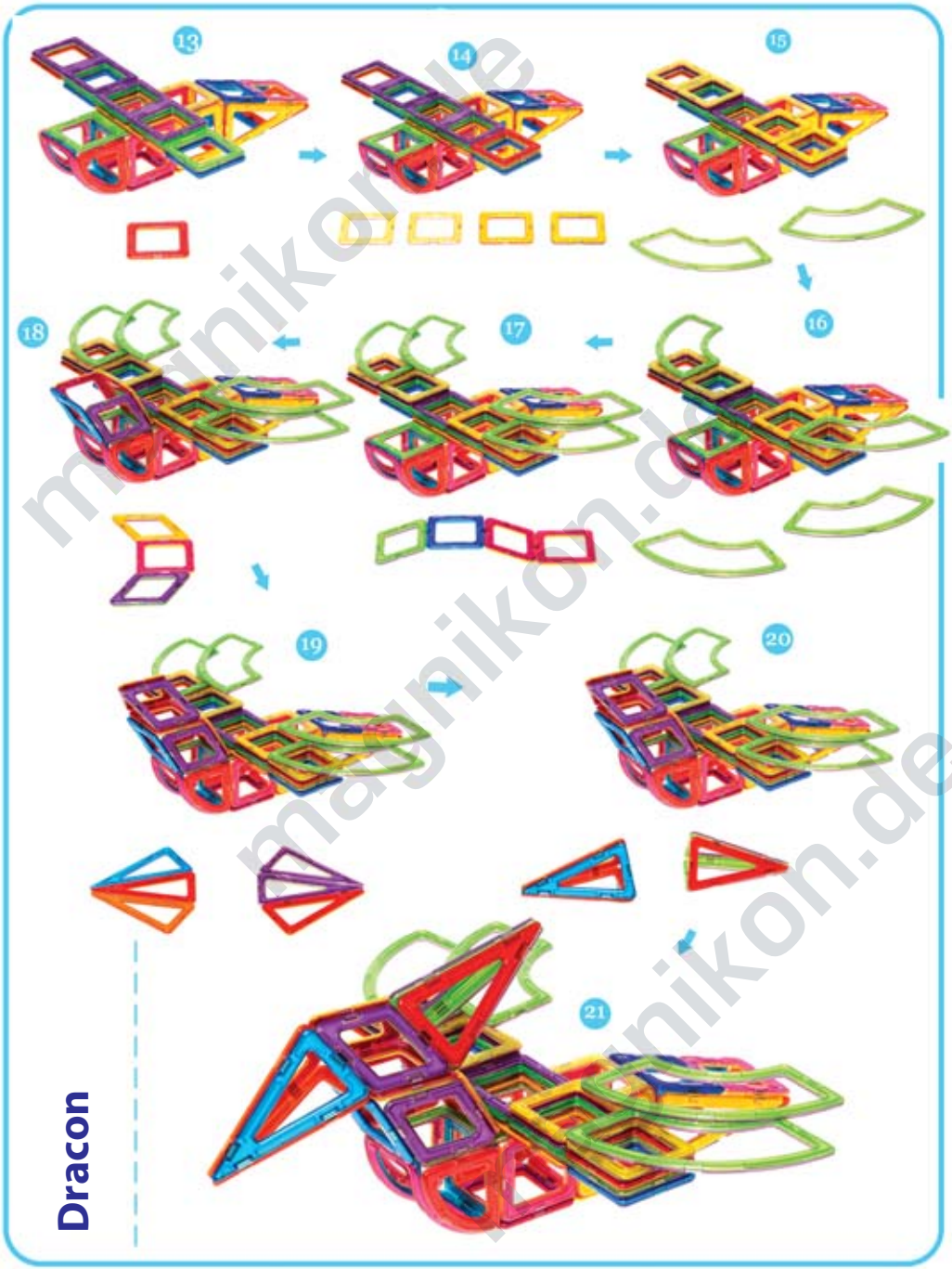


Ankylosaurus

Assembly of 3D-Models

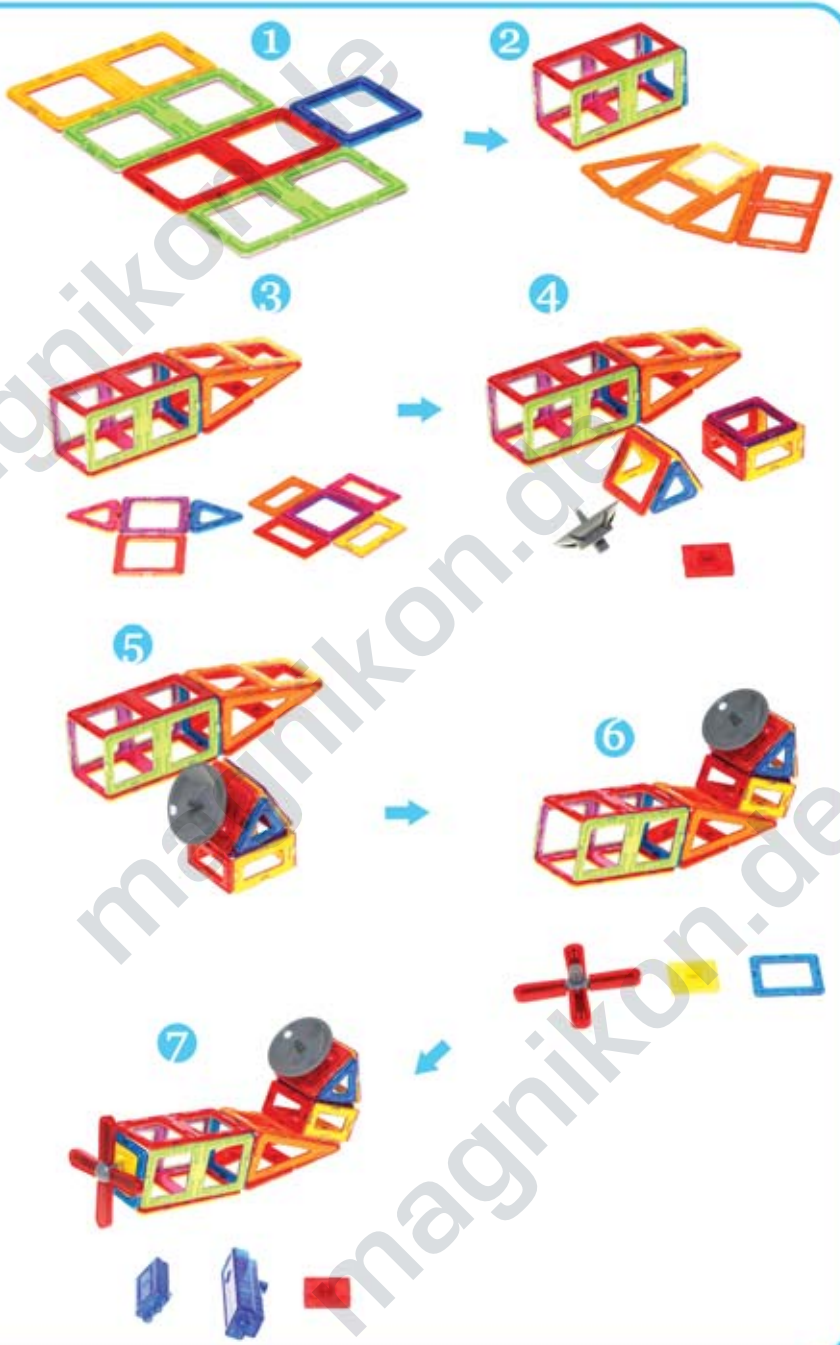
Dracon

Assembly of 3D-Models



Assembly of 3D-Models

Airplane



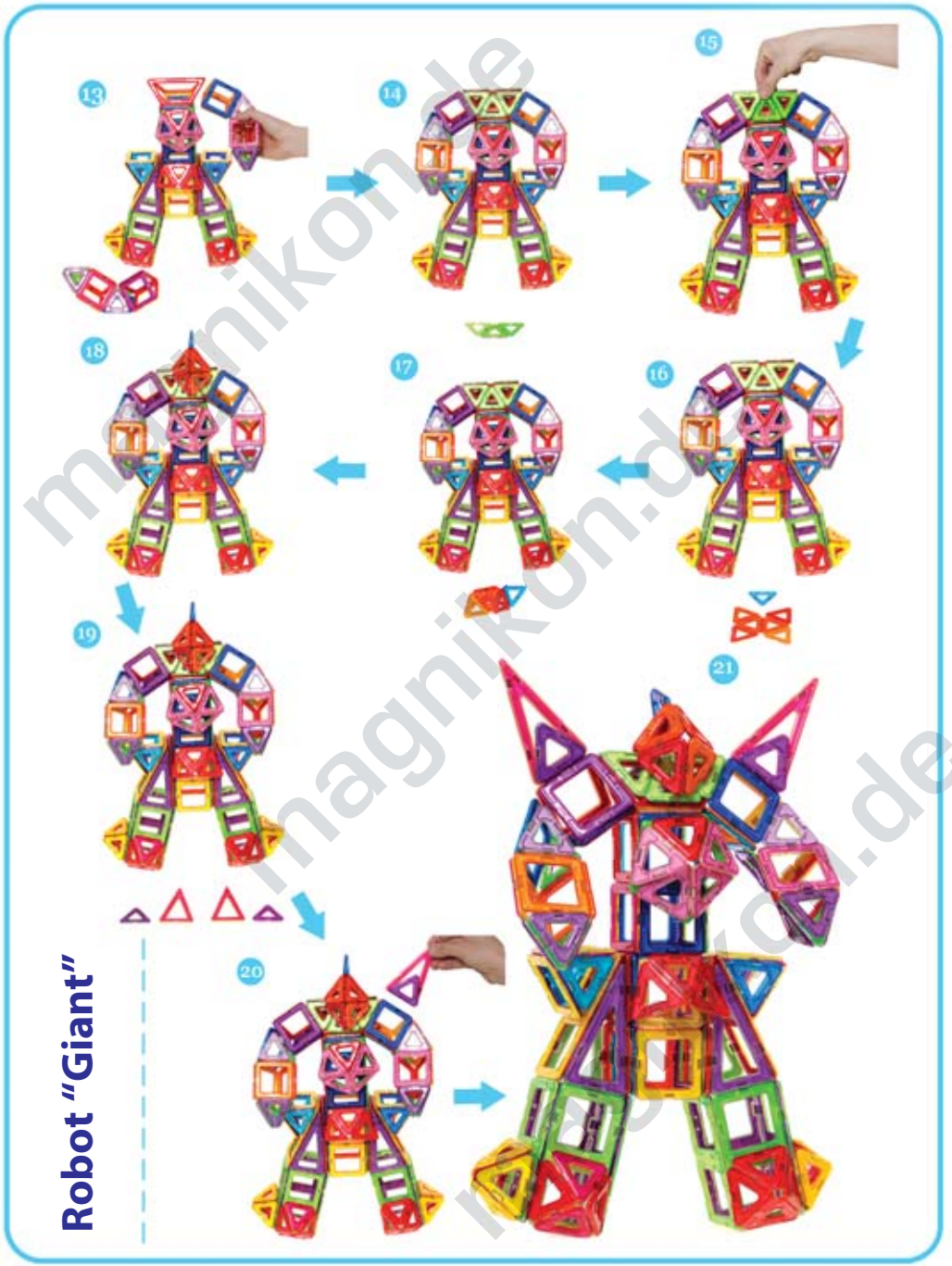
Assembly of 3D-Models

Airplane

Assembly of 3D-Models

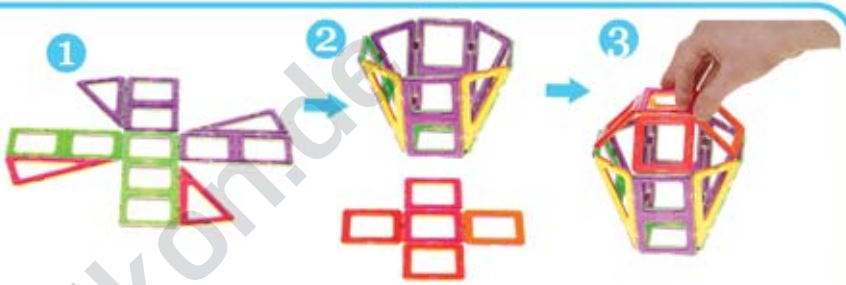
Robot "Giant"

Assembly of 3D-Models



Robot "Giant"

Assembly of 3D-Models

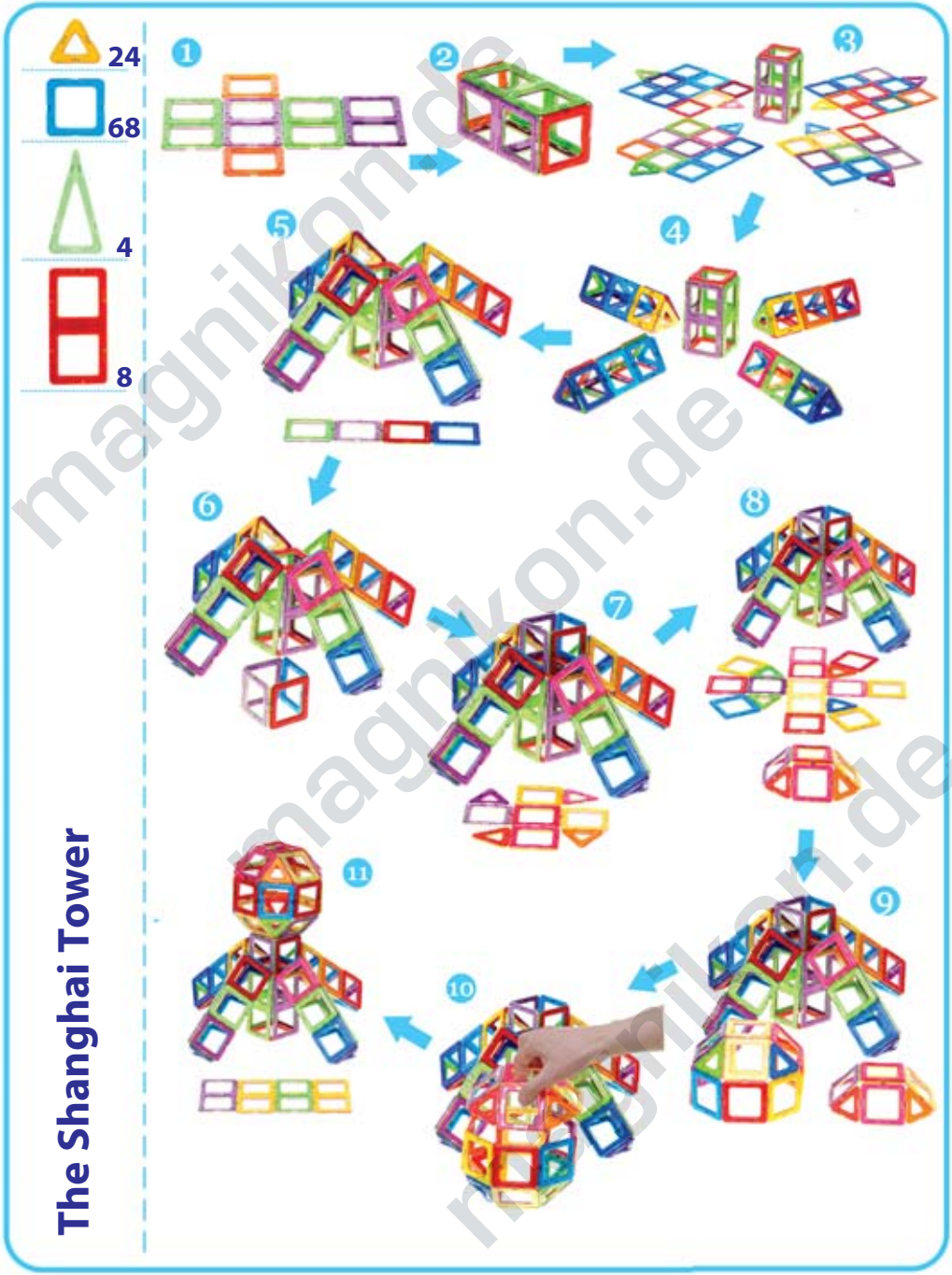


The Eiffel Tower

Assembly of 3D-Models

The Eiffel Tower

Assembly of 3D-Models



The Shanghai Tower

Assembly of 3D-Models

Excavator with a crane

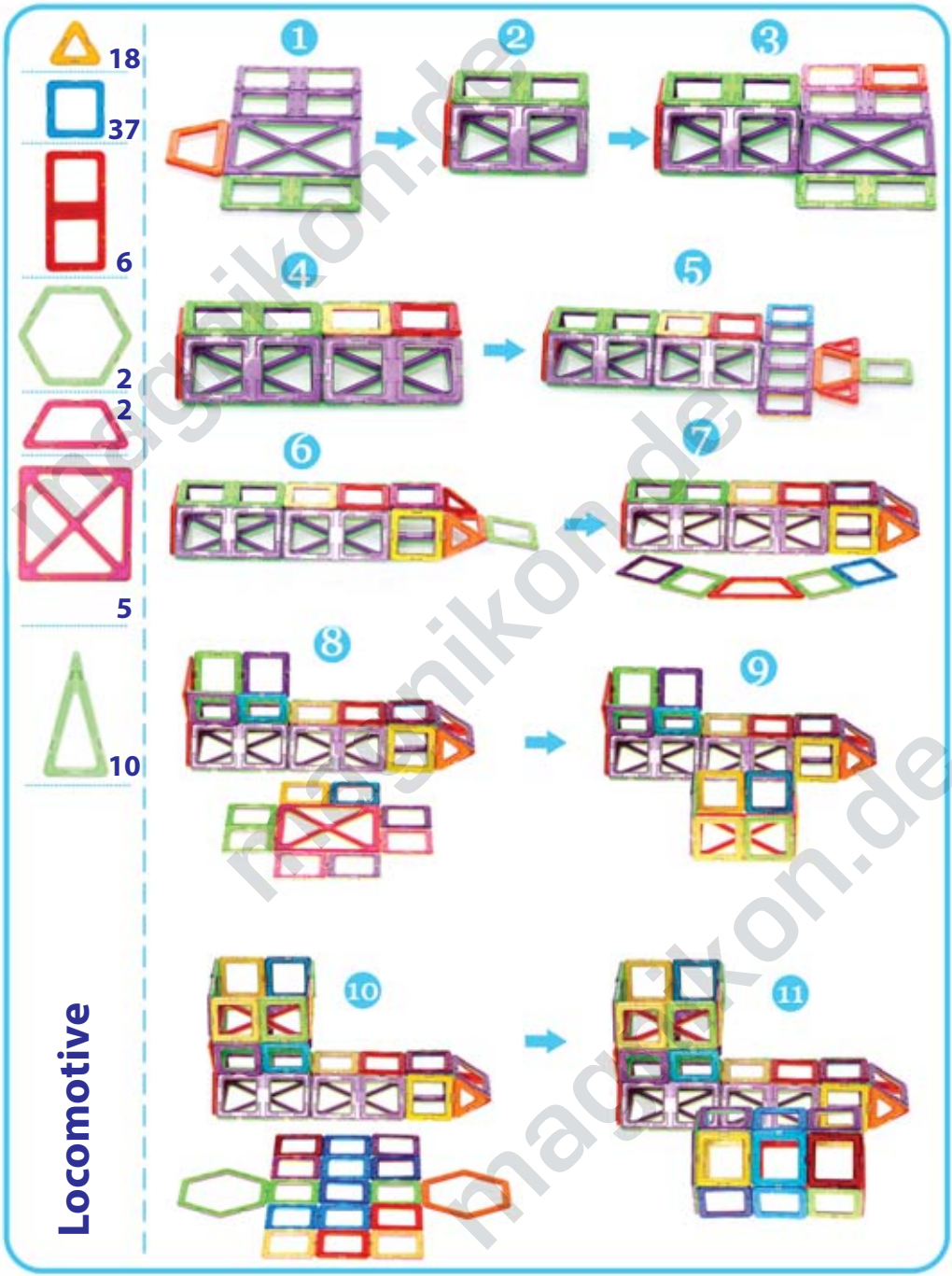
Excavator

Assembly of 3D-Models

Robot "Builder"

Trolley

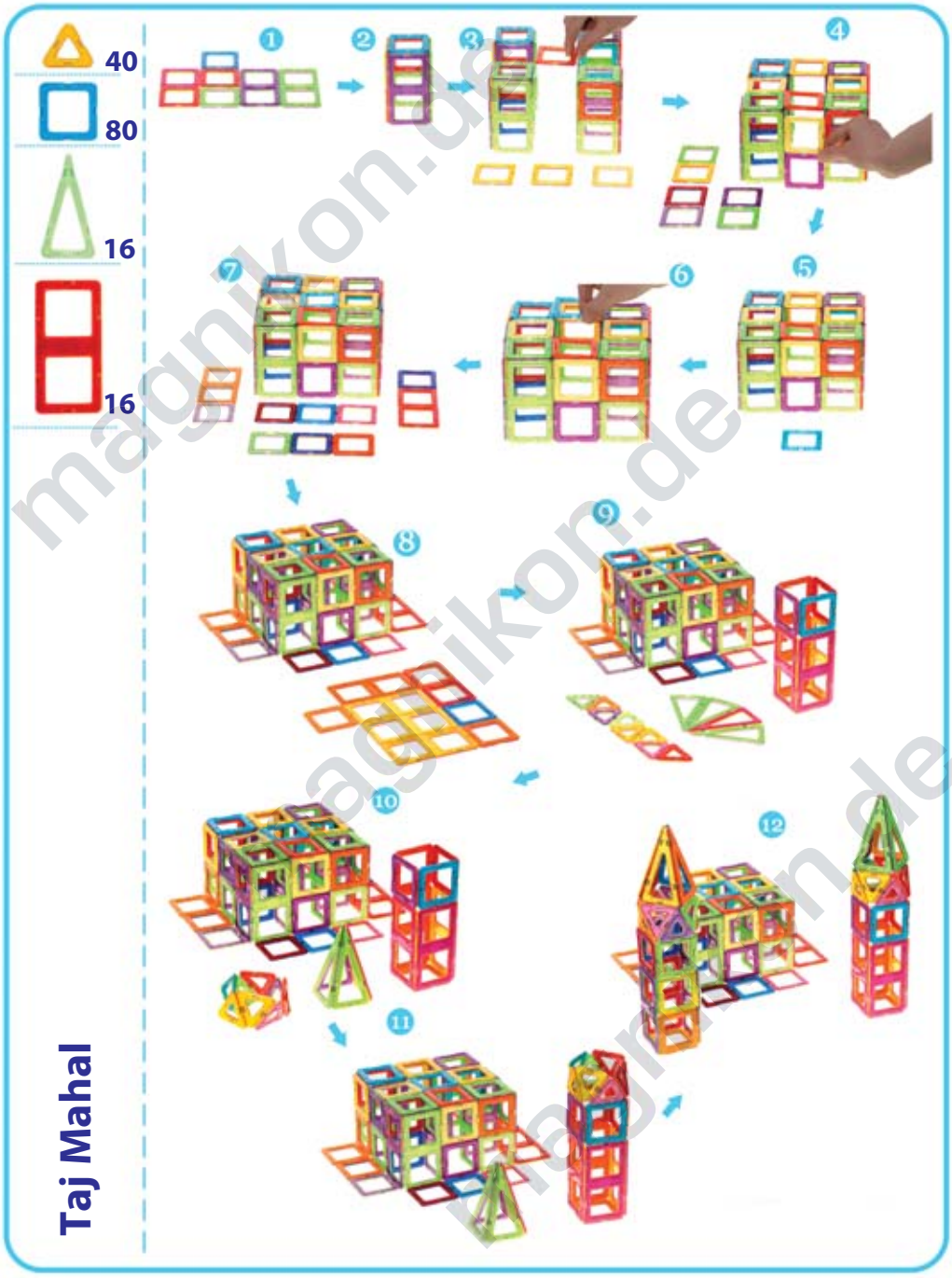
Assembly of 3D-Models



Assembly of 3D-Models

Locomotive

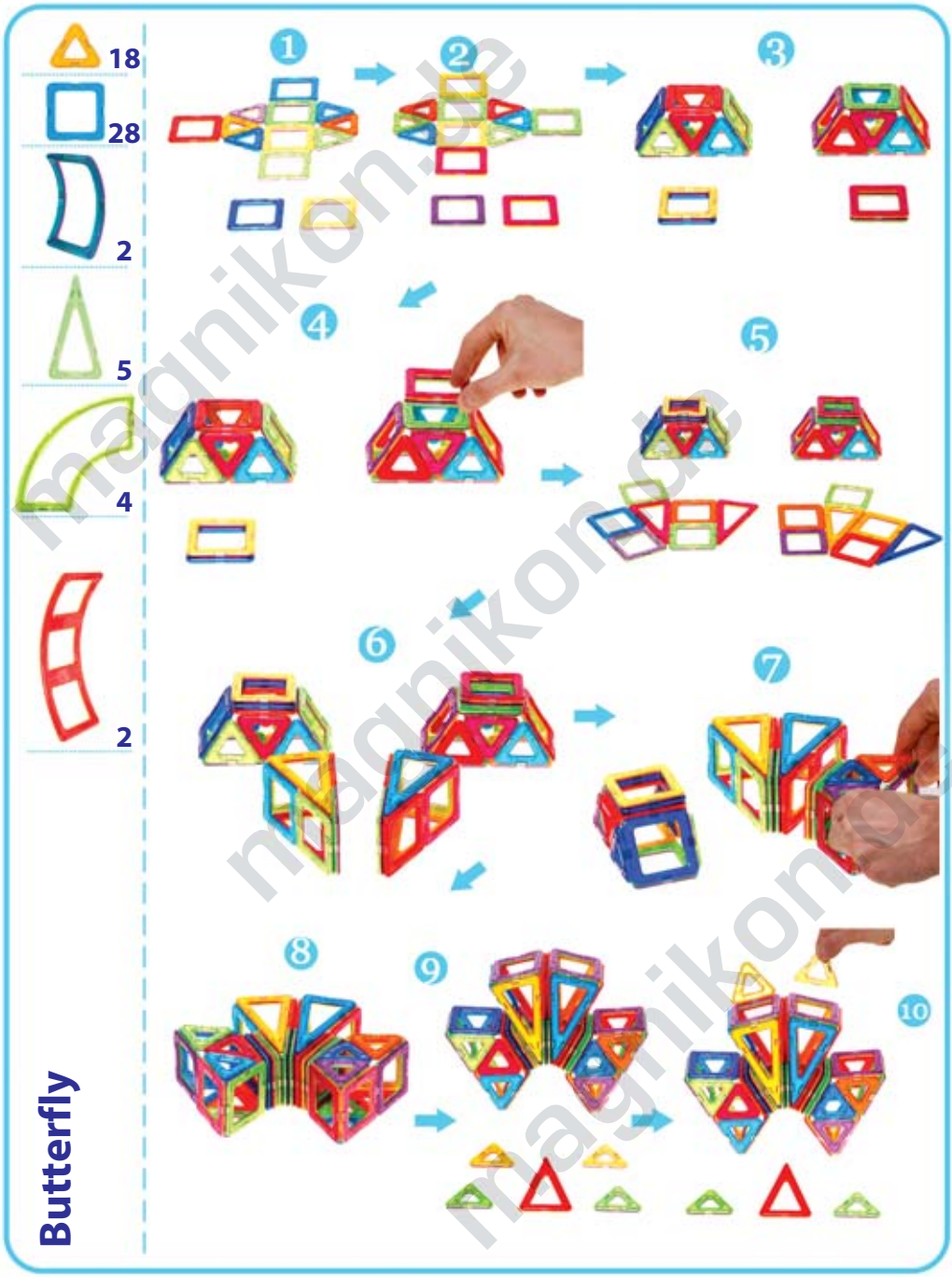
Assembly of 3D-Models



Assembly of 3D-Models

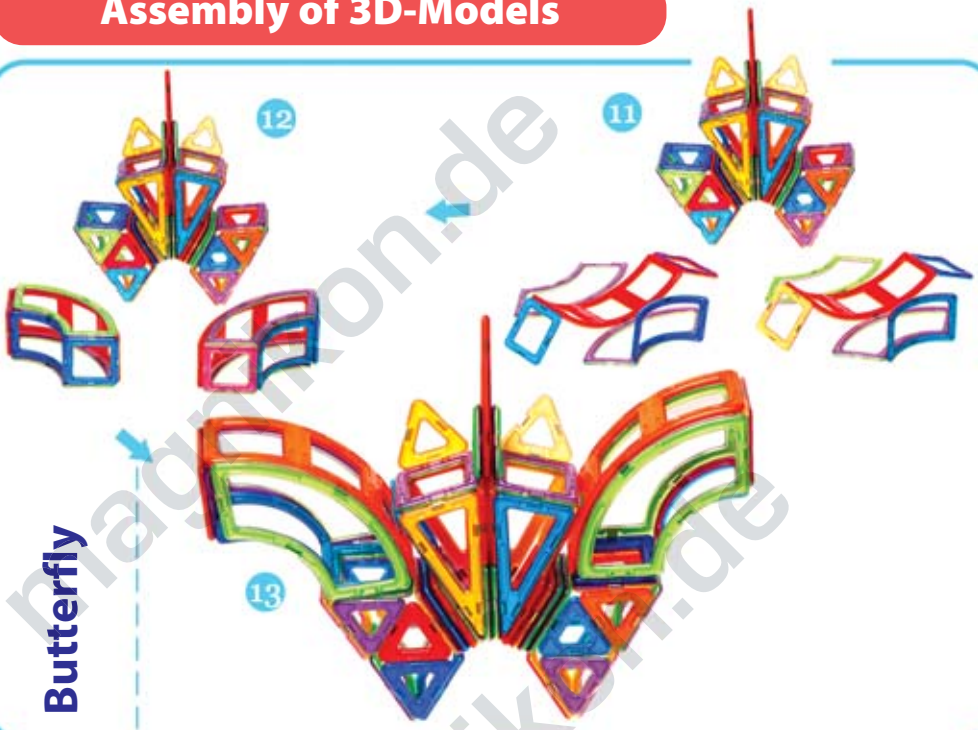
Taj Mahal

Assembly of 3D-Models



Assembly of 3D-Models

Butterfly

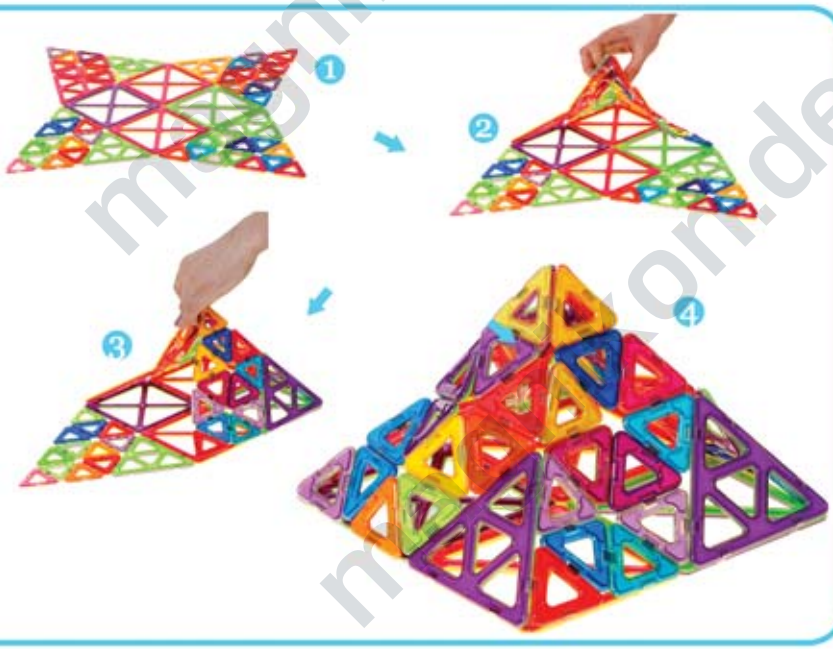


The Cheops Pyramid

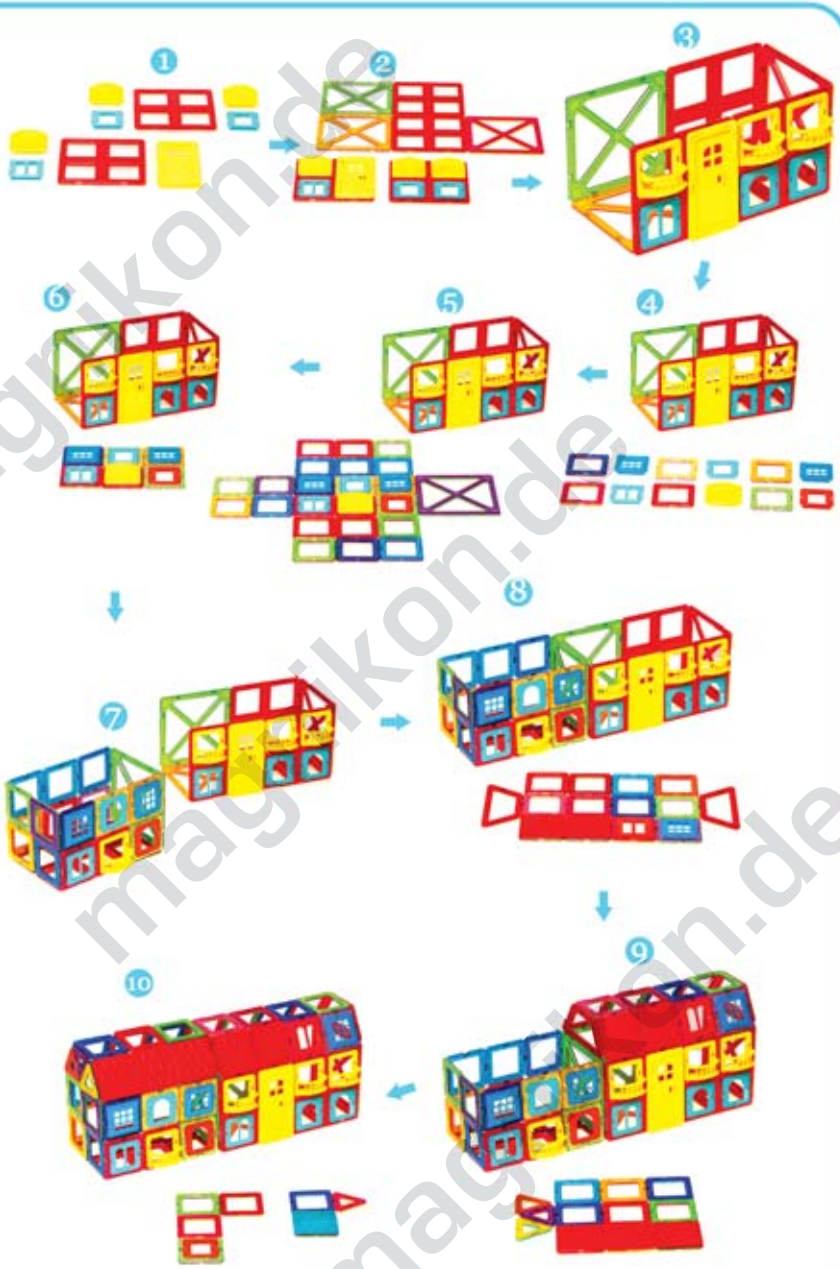
48

4

4

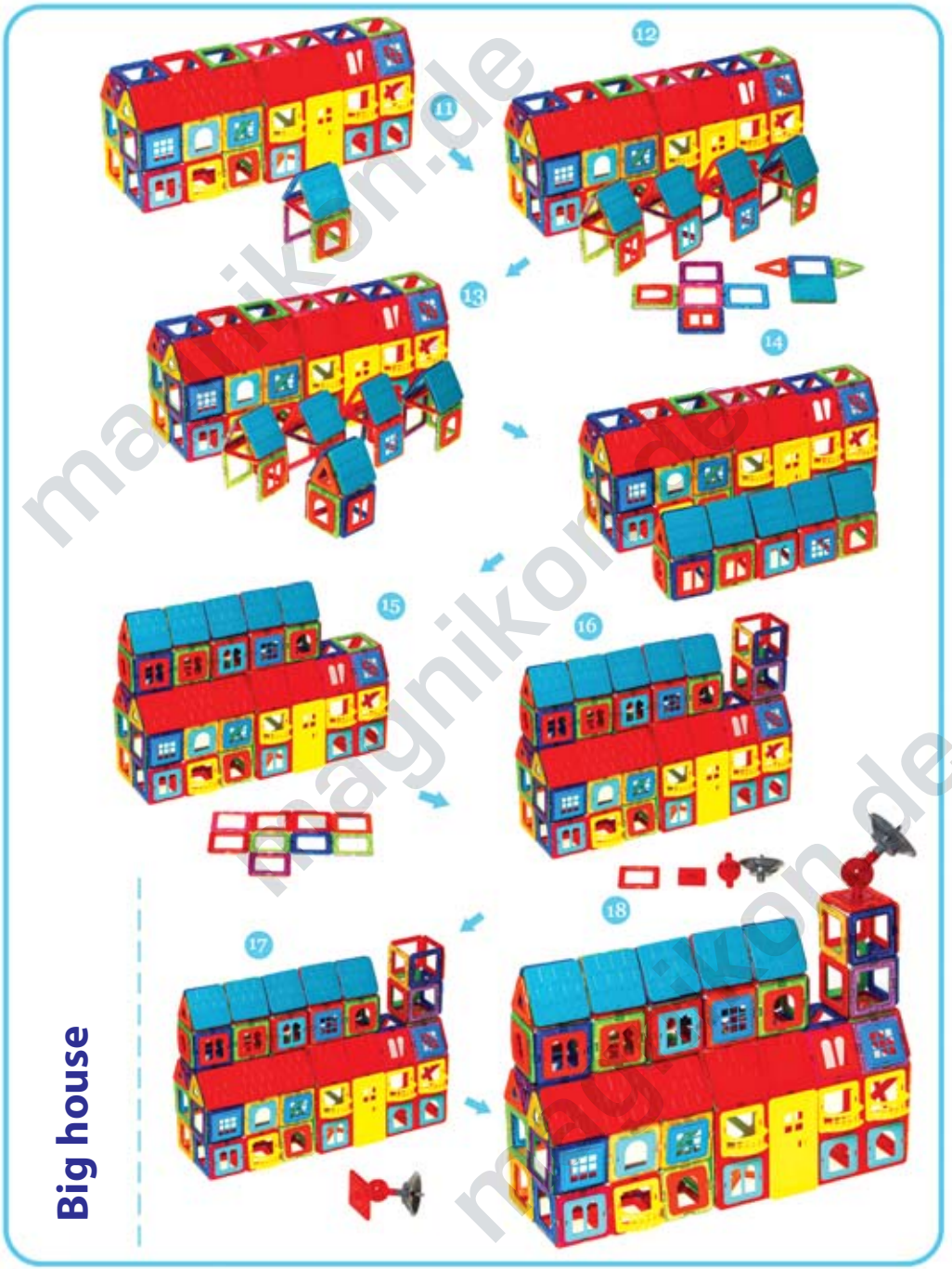


Assembly of 3D-Models



Big house

Assembly of 3D-Models



Big house

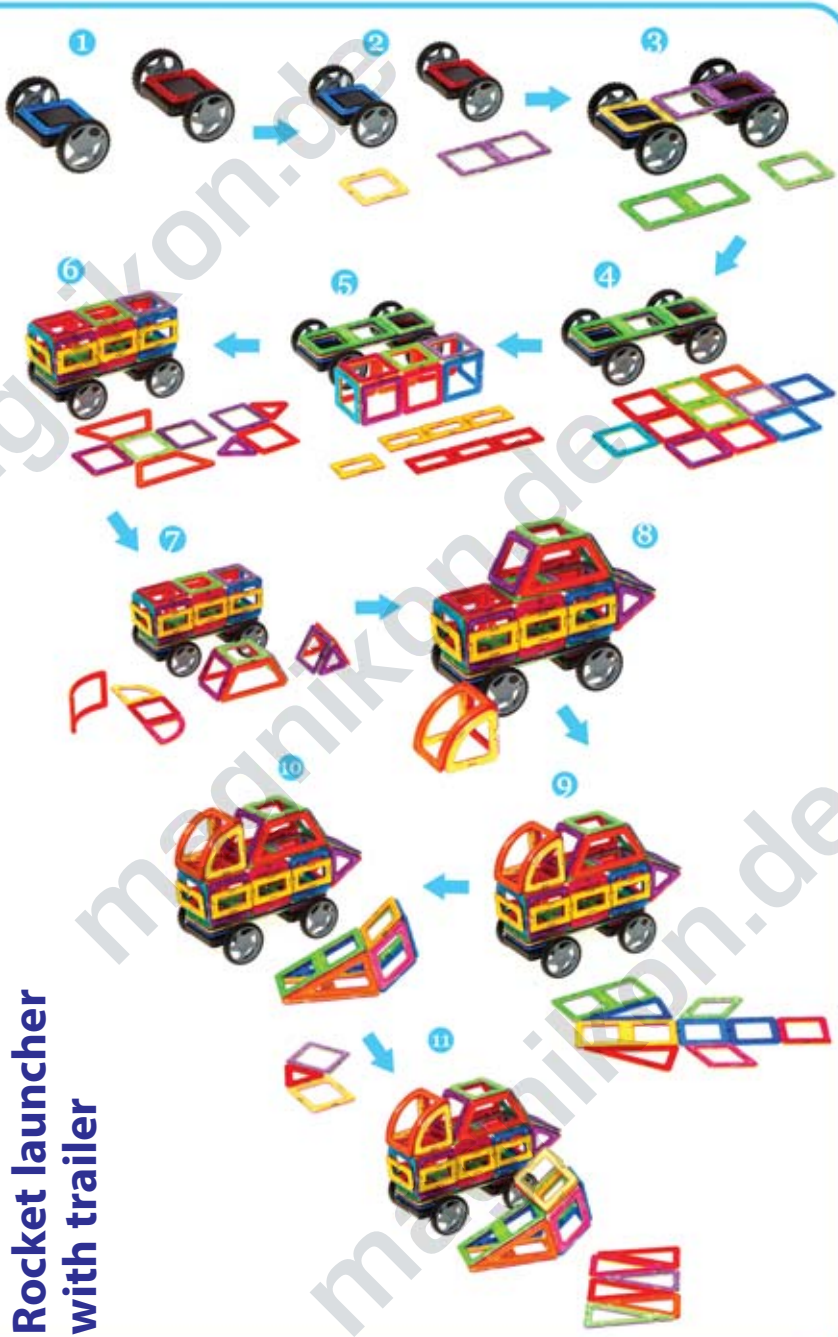
Assembly of 3D-Models

Rocket launcher

Assembly of 3D-Models

Rocket launcher

Assembly of 3D-Models



Rocket launcher with trailer

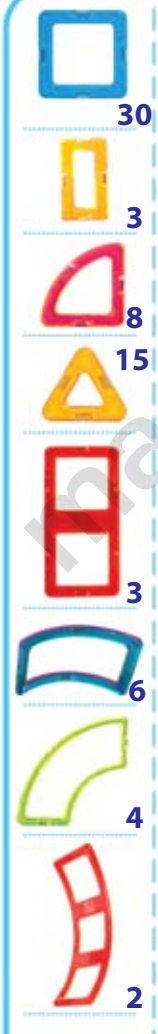
Assembly of 3D-Models

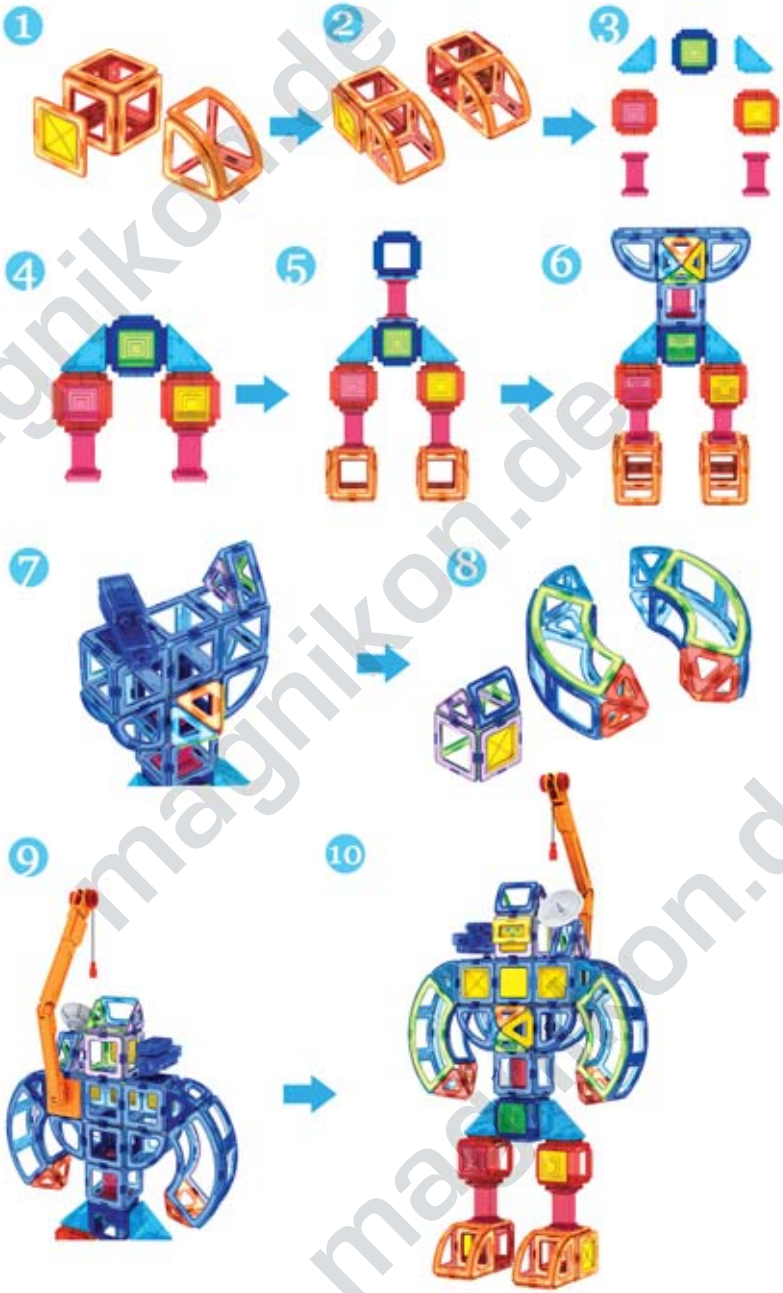
Rocket launcher with trailer

Assembly of 3D-Models

Children's slide

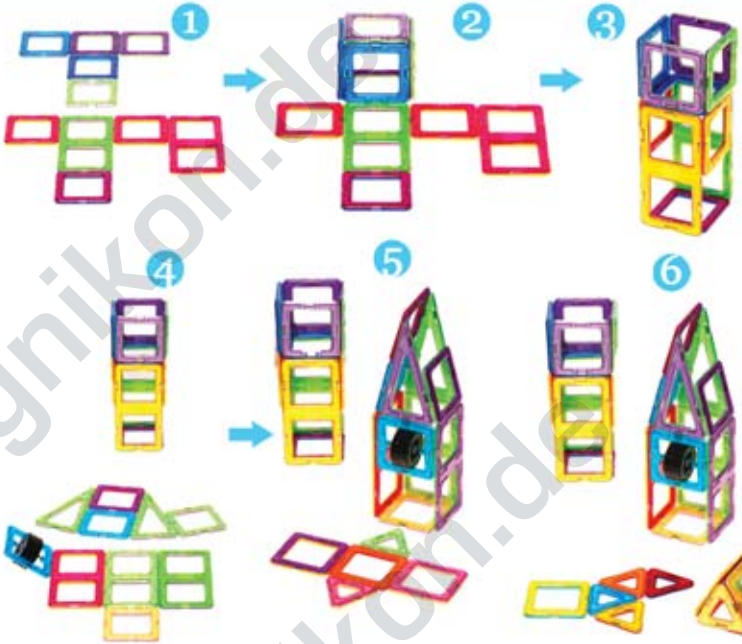
Assembly of 3D-Models





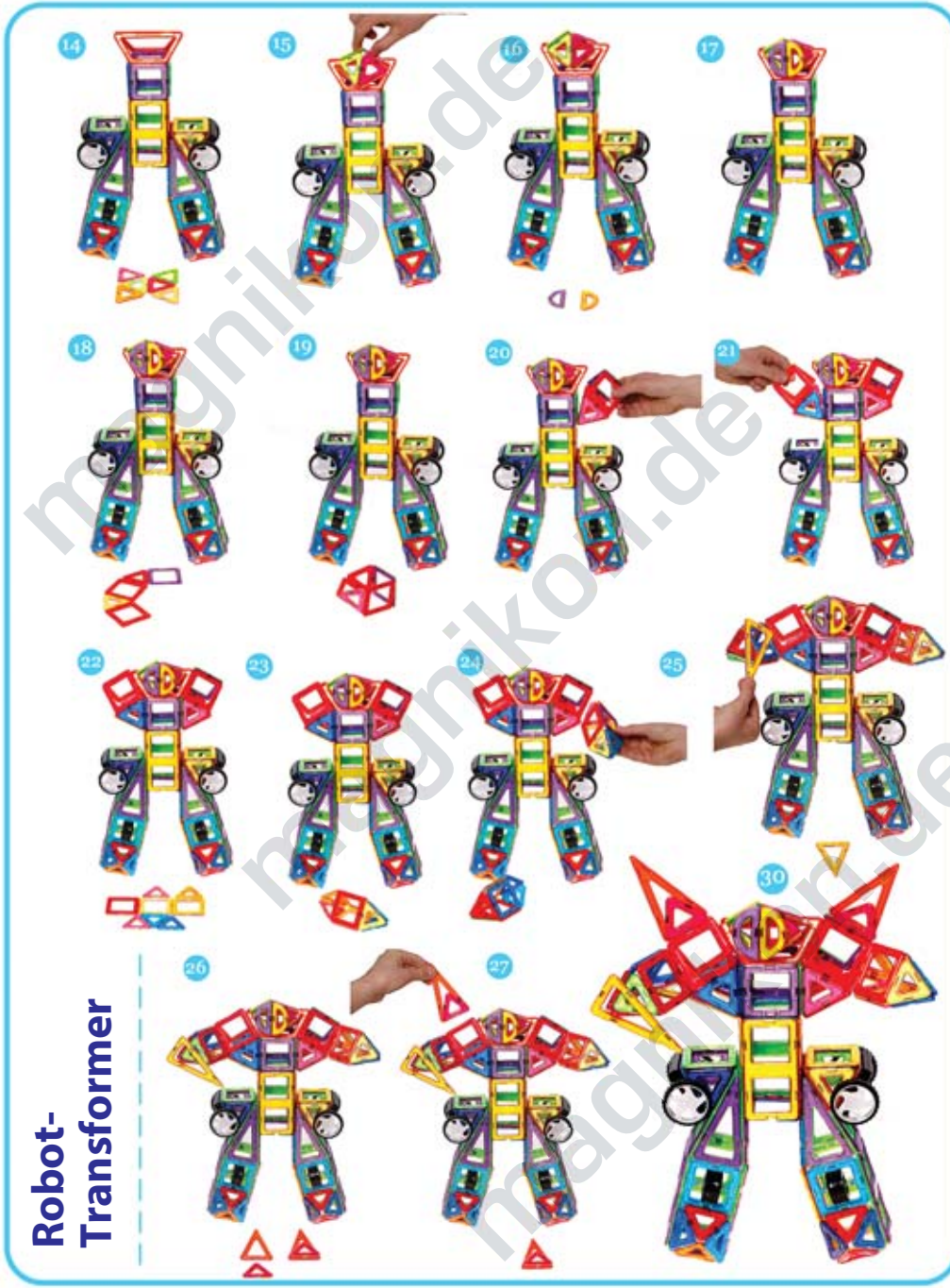
Robot

Assembly of 3D-Models



Robot-Transformer

Assembly of 3D-Models



Robot-Transformer

Link zu den Bauldeen & Bauvorlagen

Link to building ideas & inspiration

Components made by
Shantou Jinxin Trading Co., Ltd Industrial district, Pengfa RD, Waisha, Shantou, Guangdong, 515023, China

Manufactured by
Shantou Jinxin Trading Co., Ltd Industrial district, Pengfa RD, Waisha, Shantou, Guangdong, 515023, China

Imported in EU by MAGNIKON e.U., Mona-Lisa-Steiner Weg 10, 18, 1120, Vienna, Austria

EN **Warning!** Not suitable for children under 36 months. Choking hazard – small parts.

DE **Achtung!** Nicht geeignet für Kinder unter 36 Monate. Erstickungsgefahr – Kleinteile.

NL **Waarschuwing!** Niet geschikt voor kinderen jonger dan 36 maanden. Verstikkingsgevaar – Kleine onderdelen.

CZ **Upozornění!** Nevhodné pro děti mladší 36 měsíců. Nebezpečí zalknutí – Malé části.

PL **Ostrzeżenie!** Nie nadaje się dla dzieci w wieku poniżej 3 lat. Niebezpieczeństwo udławienia się – Małe części.

SK **Upozornenie!** Nevhodné pre deti do 3 rokov. Nebezpečenstvo udusenia – Malé časti.

IT **Avvertenza!** Non adatto a bambini di età inferiore a 3 anni. Pericolo di soffocamento – picole parti.

FR **Attention!** Ne convient pas aux enfants de moins de 3 ans. Risque d'étouffement – petites pièces.

ES **Advertencia!** No apto para niños menores de 3 años. Peligro de asfixia – piezas pequeñas.

SW **Varning!** Inte lämplig för barn under 36 månader. Kvävningsrisk – små delar.

HU **FIGYELEM!** Nem alkalmas 36 hónaposnál fiatalabb gyermekek számára. Fulladásveszély – apró alkatrészek.

SI **POZOR!** Ni primerno za otroke, mlajše od 36 mesecev. Nevarnost zadušitve zaradi – majhnih delov.

0-3

ACHTUNG!
Verschluckbare Kleinteile Nicht geeignet für Kinder unter 3 Jahre

20 PAP

5 PP