



MAGNIKON

MAGNETIC BUILDING BLOCKS
FOR DEVELOPMENT OF INTELLIGENCE



BUILDING IDEAS & INSPIRATION

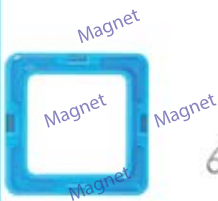


Hi! I am a robot and my name is Magnikon.



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.

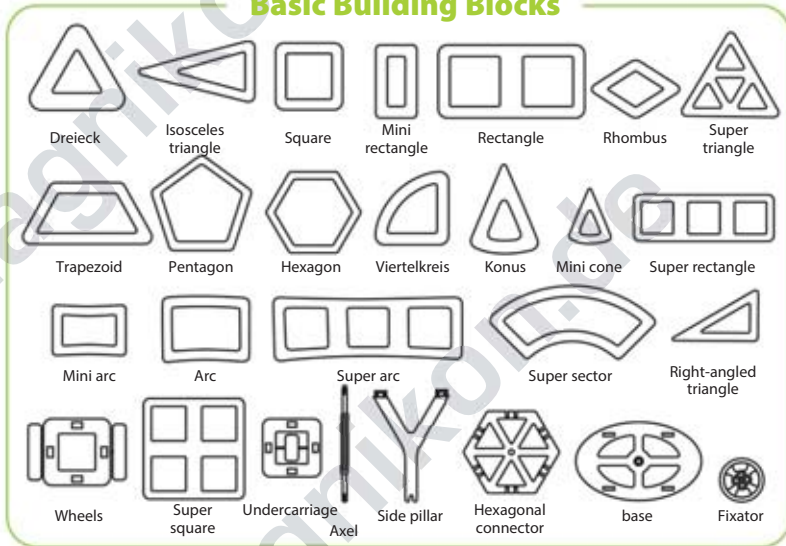


Now we have to get acquainted with different types of building blocks and then you can start!

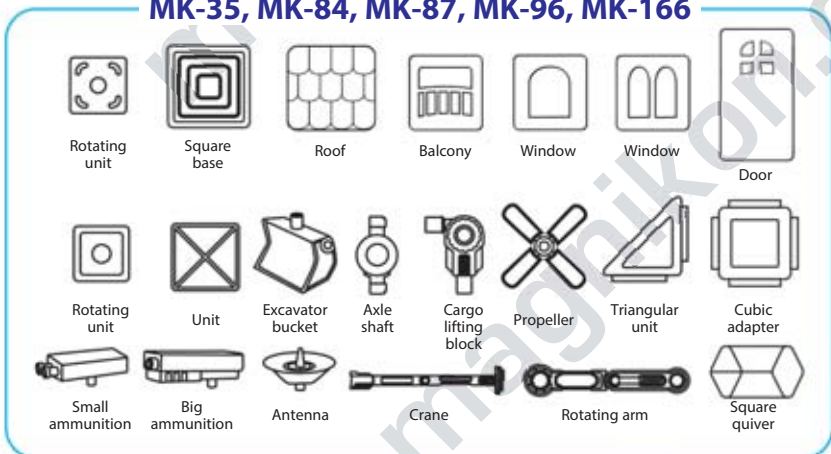


Types of Building Blocks

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!





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

Flat 2D-Models

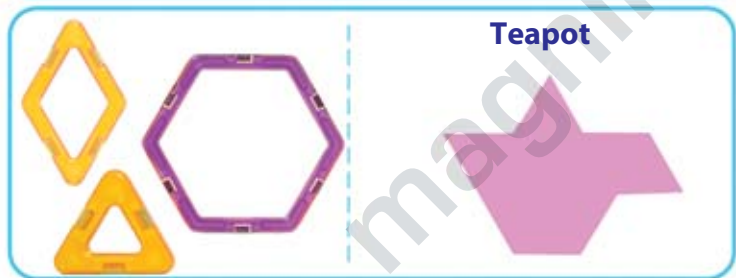
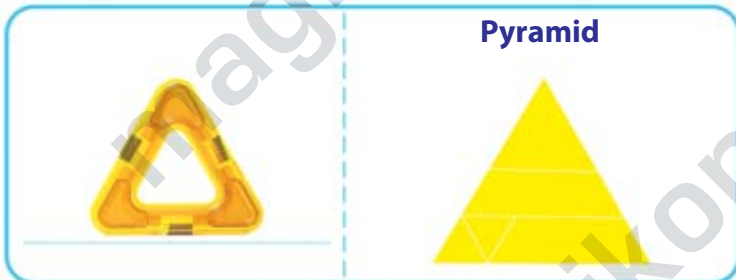
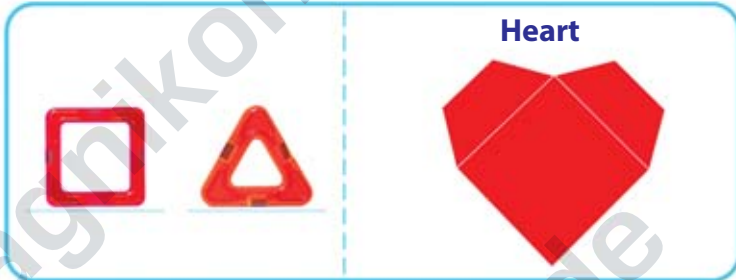
Flower



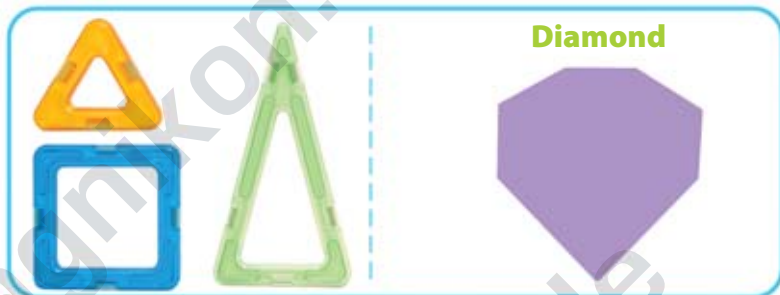
Robot



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.



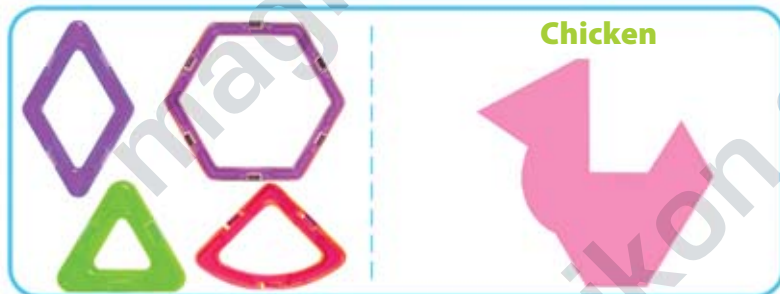
Now try to build following models, but with less tips. I will only show you which building blocks you need.



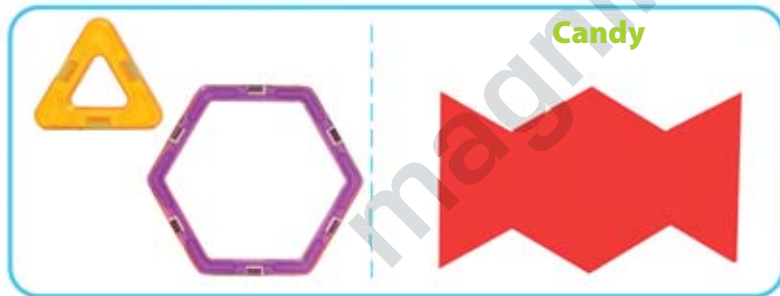
Diamond



Snowflake



Chicken



Candy

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

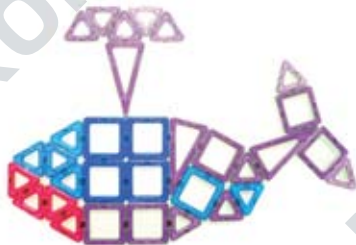


2D Models

Crab



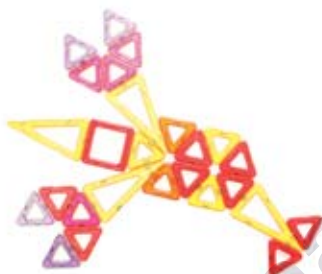
Whale



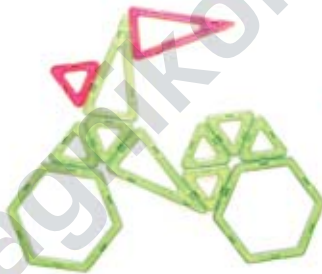
Flower



Lobster



Bicycle



Teapot



Tulip



Telephone



Fish



2D Models

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

2D Models



Rabbit



Tank



Cat



Chicken



Boat



Television tower



Swallow



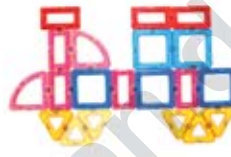
Swan



Scale



Ferris wheel



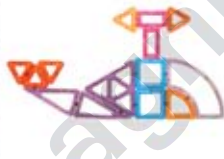
Locomotive



Eis cream



Vase



Whale



Horse



Moonbuggy



Grapes



Candlestick



Mars rover



Peacock



Cactus



Spaceship



Sailing boat

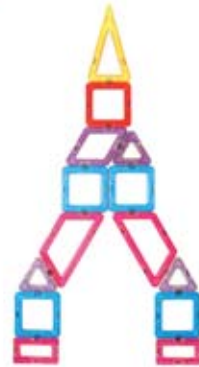


The Leaning Tower of Pisa

2D Models



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)

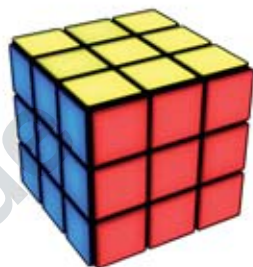


Three-dimensional models.
Let's now learn the basics
of 3D-Models!



Three-dimensional models or 3D-Models

Which of the shown below models
matches the Layout?



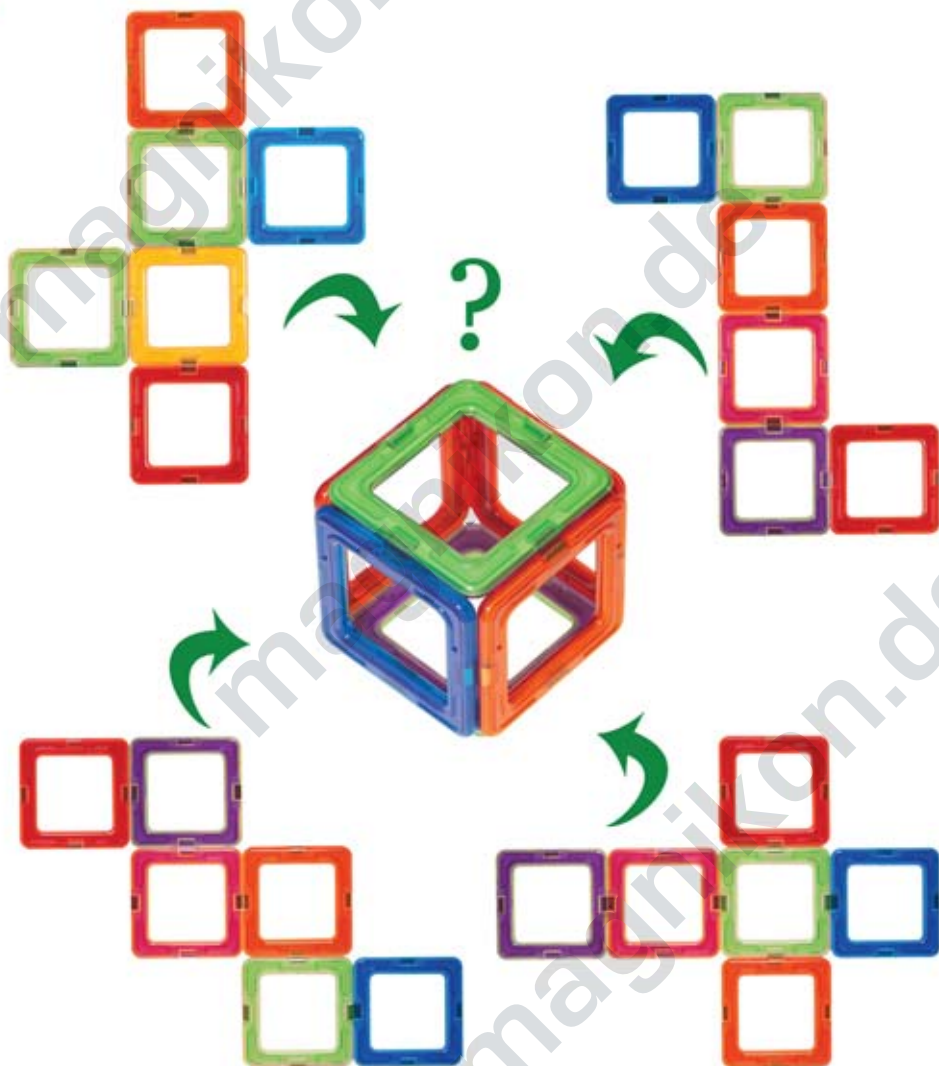


**Don't forget!
That is a 3D-Model!**

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



1



2



Spinning Top



1



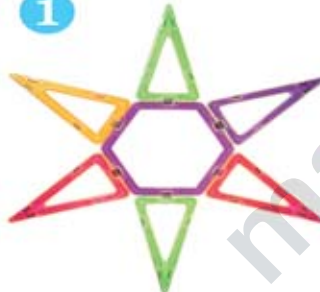
2



Wigwam



1



2



3D-Models

Triangular
prism



2



6

1



2



Ball



8



6

1



2



Cone



4

1



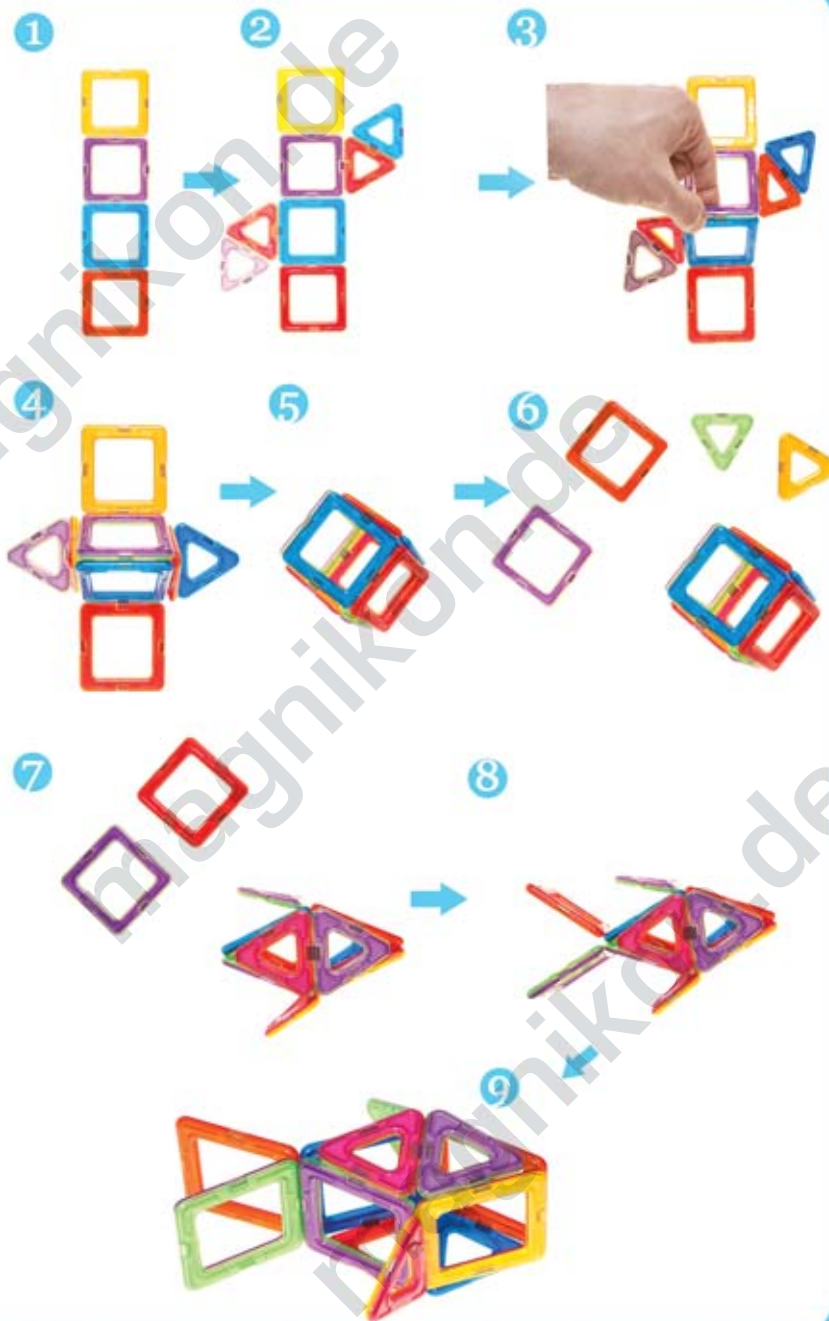
2



Assembly of 3D-Models

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

Fish



3D-Models

Big
ball



1



2



Four-sided
pyramid

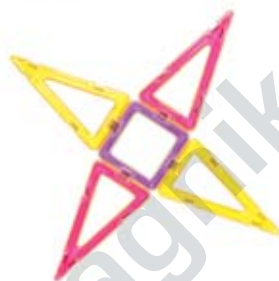


1



4

1



2



Three-sided
pyramid



1



3

1

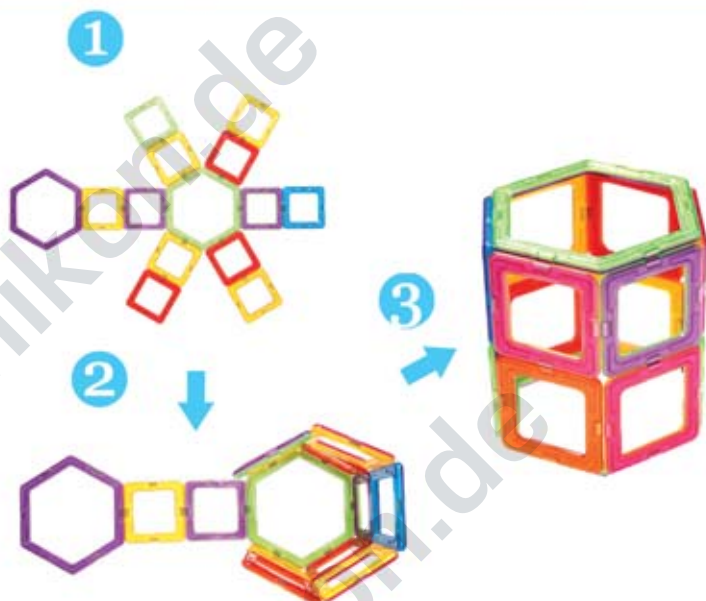


2

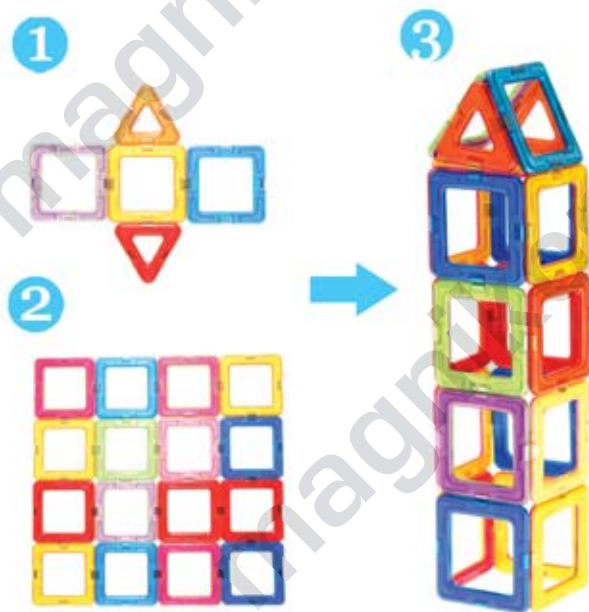


3D-Models

Cylinder



Tower



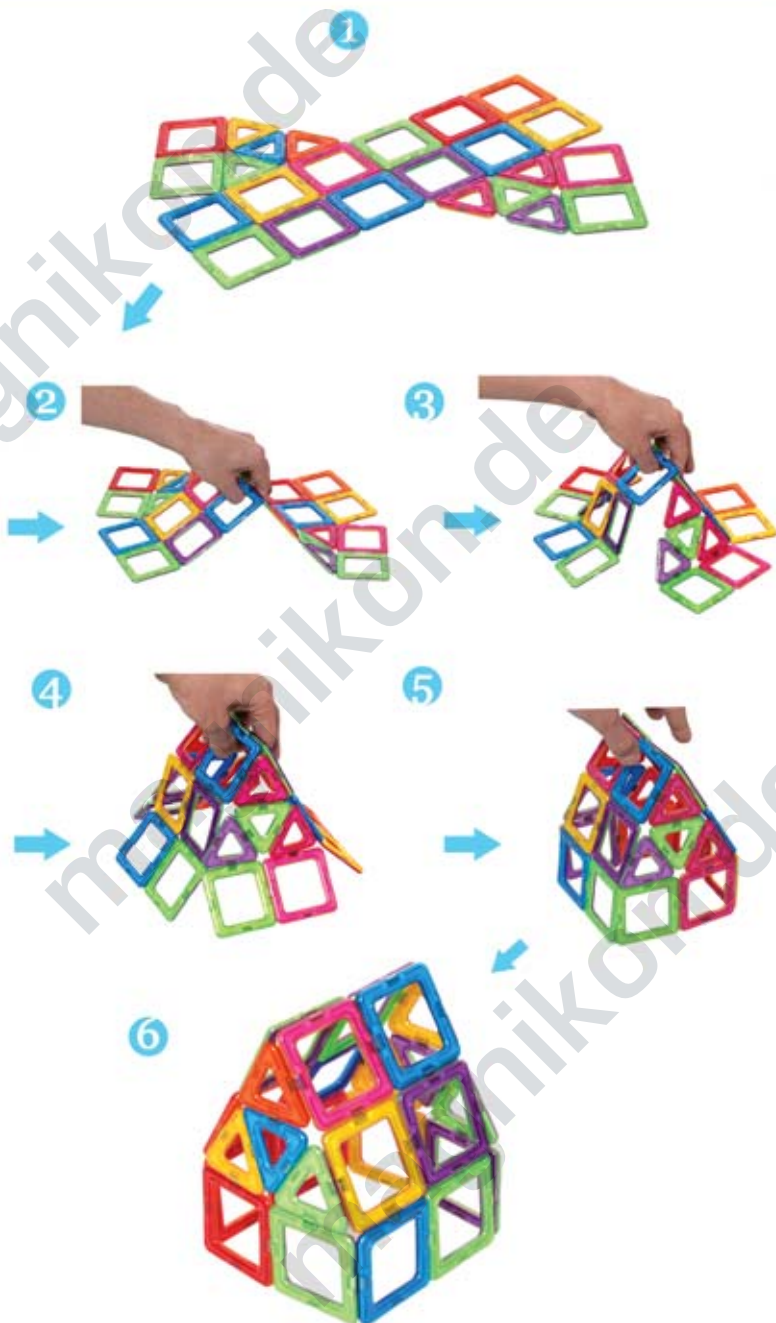
Assembly of 3D-Models

8

16

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

House



Assembly of 3D-Models



Football

Assembly of 3D-Models

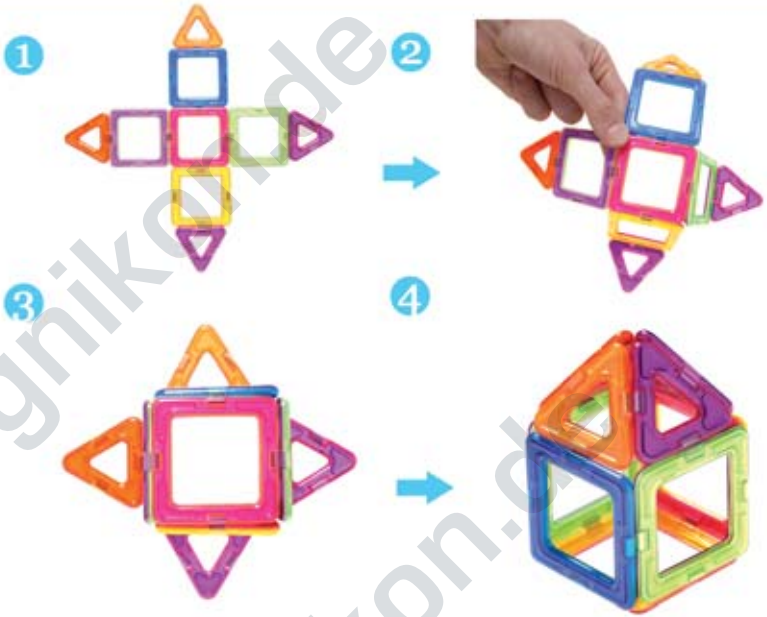
6
18



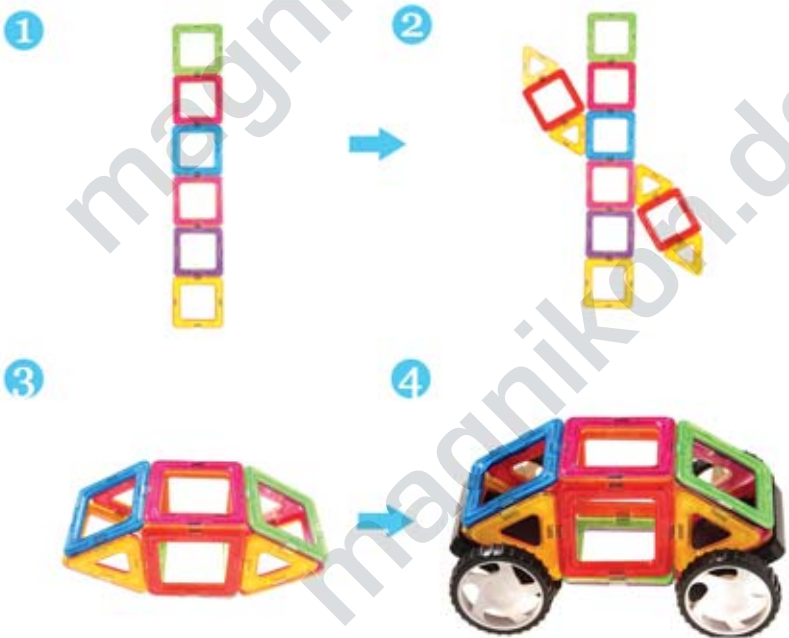
Small castle

Assembly of 3D-Models

Small house



SUV



Assembly of 3D-Models

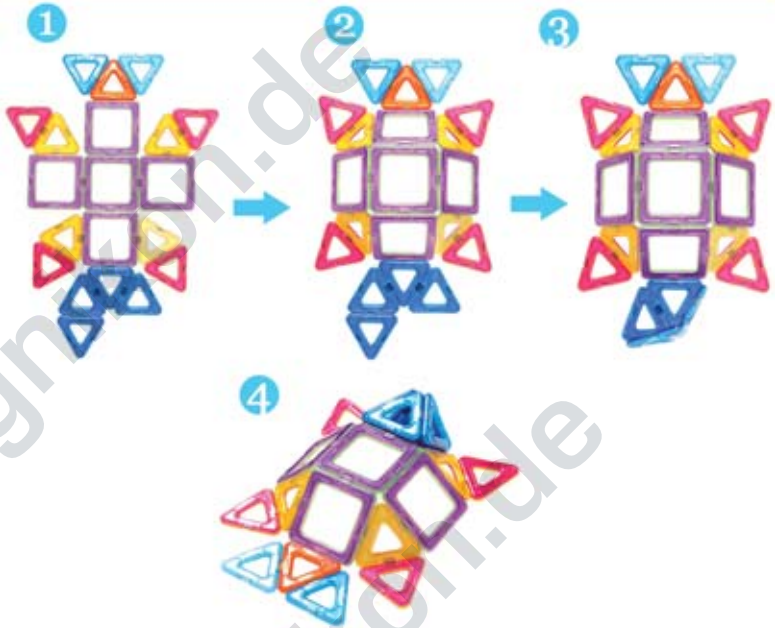


15



5

Turtle



15

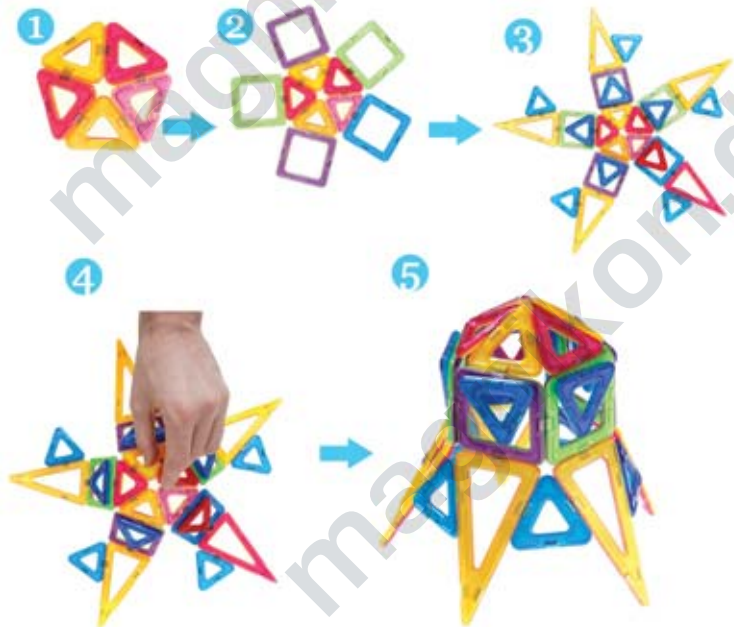


5



5

Satellite



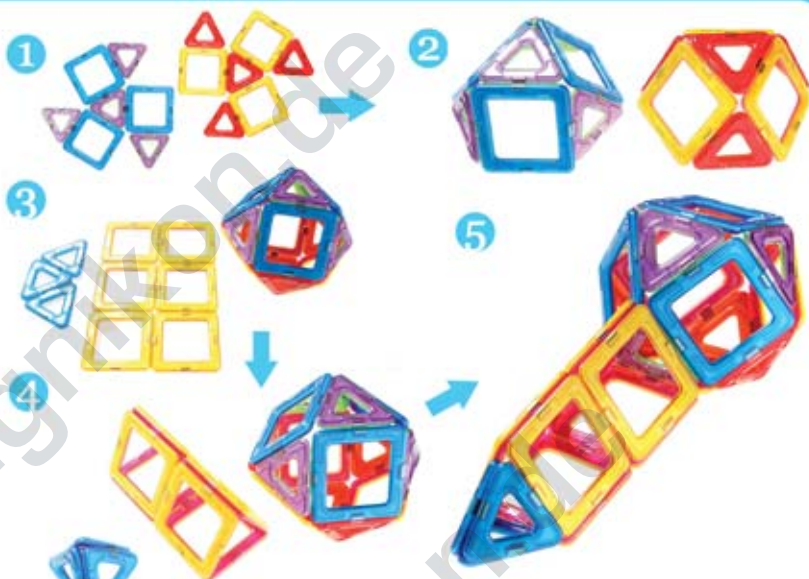
Assembly of 3D-Models

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

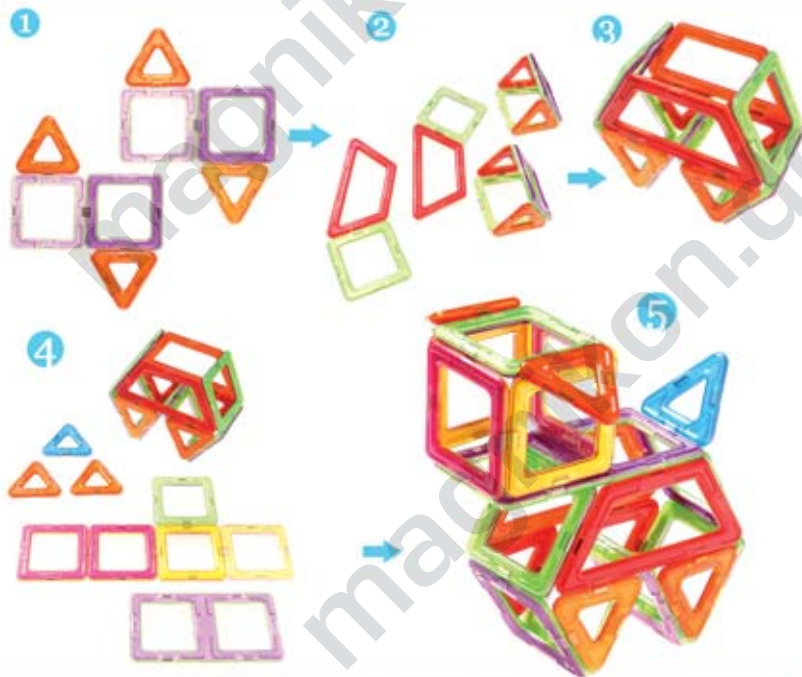
Bulldozer

-  5
-  4
-  3
-  1
-  2
-  2



Puppy

-  7
-  11
-  1
-  2



Assembly of 3D-Models

The assembly process is shown in 12 numbered steps:

- Step 1: A base of four squares (two yellow, two pink) is laid out.
- Step 2: A second layer of four squares (two green, two yellow) is added on top.
- Step 3: A third layer of four squares (two orange, two purple) is added.
- Step 4: A fourth layer of four squares (two green, two blue) is added.
- Step 5: A fifth layer of four squares (two yellow, two pink) is added.
- Step 6: A sixth layer of four squares (two orange, two purple) is added.
- Step 7: A seventh layer of four squares (two green, two blue) is added.
- Step 8: An eighth layer of four squares (two yellow, two pink) is added.
- Step 9: A ninth layer of four squares (two orange, two purple) is added.
- Step 10: A tenth layer of four squares (two green, two blue) is added.
- Step 11: An eleventh layer of four squares (two yellow, two pink) is added.
- Step 12: A final layer of four squares (two orange, two purple) is added.

The final assembly is a tall, multi-layered structure resembling a squirrel's body. A squirrel is shown at the bottom left of the page, and the completed model is shown at the bottom right.

Parts List:

- 8 Yellow Triangles
- 2 Blue Squares
- 6 Yellow Diamonds
- 2 Green Triangles
- 6 Pink Rectangles
- 1 Red Rectangle

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



8



8

Bag

1



2



3



12



1



8

Diamond

1



2



3



4



5

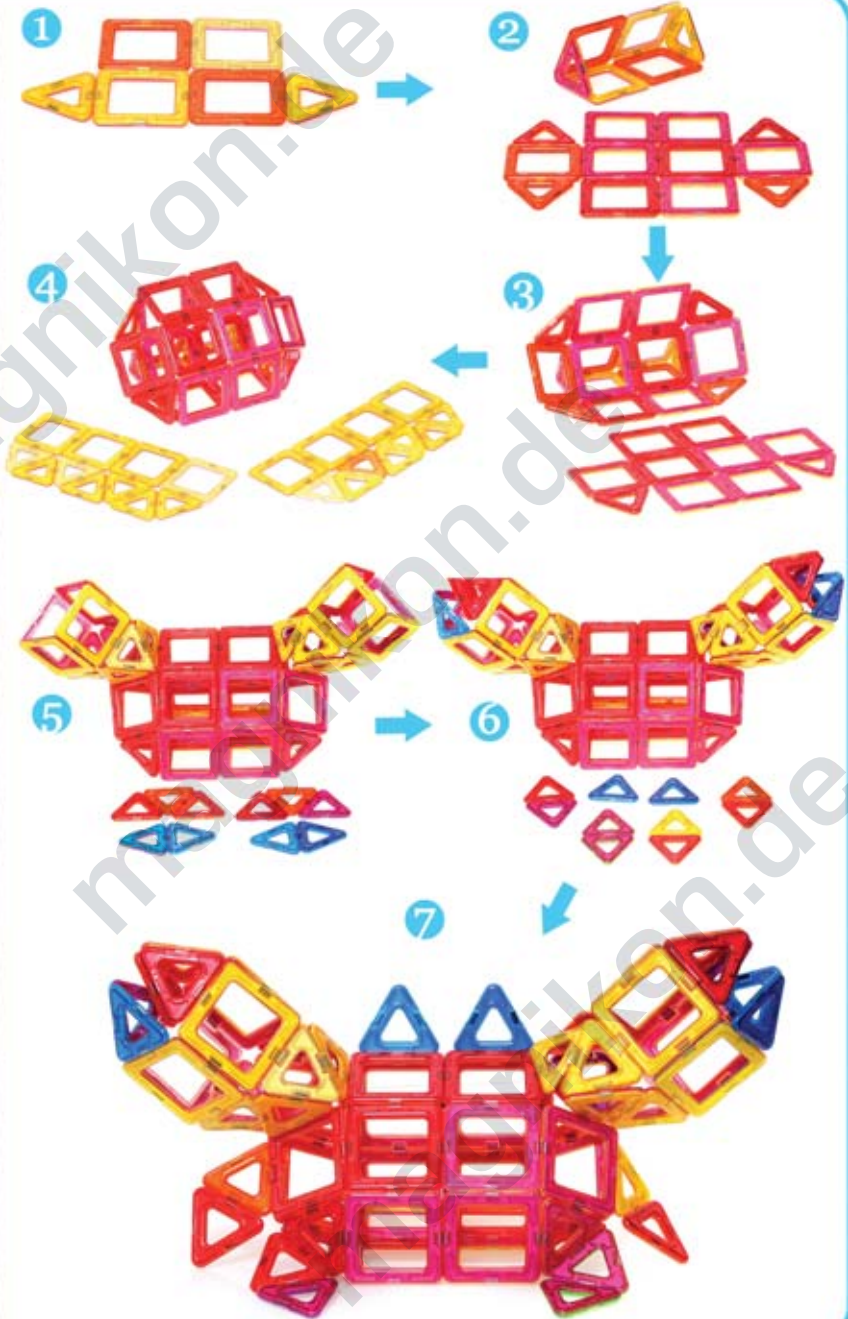


Assembly of 3D-Models

 42
 28

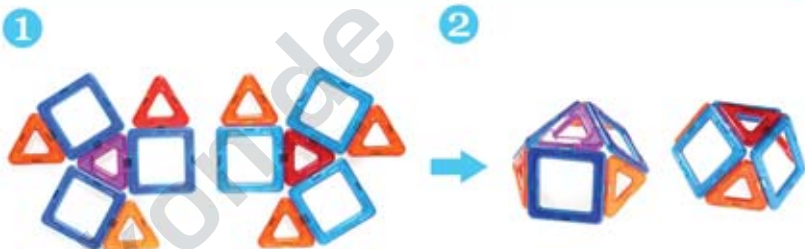
Crabs can lose their legs, but they can grow back.
So these animals can regenerate their limbs.

Crab



Assembly of 3D-Models

20
18



UFO

3
26
4
2



Camera

Assembly of 3D-Models



36



36



T

Z



Tall bell tower



Assembly of 3D-Models

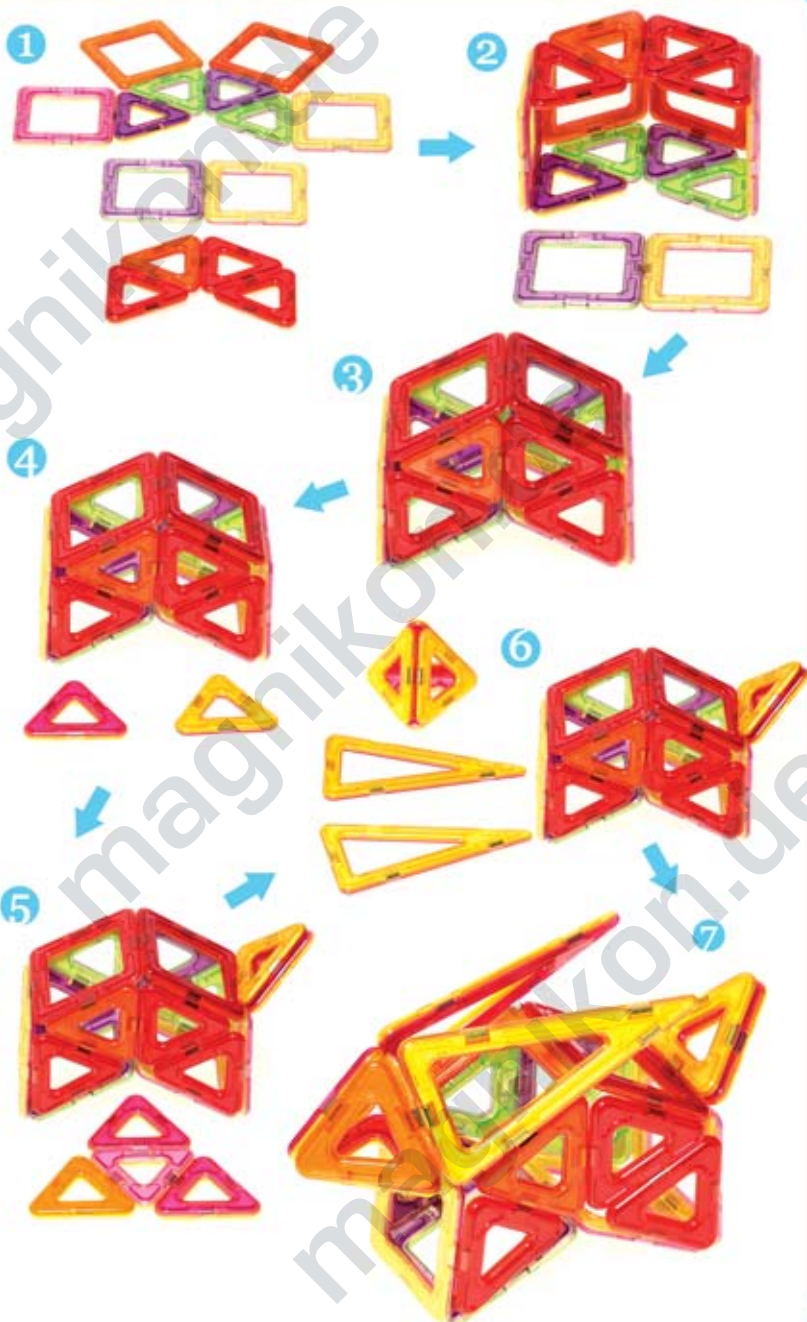
14

8

2

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

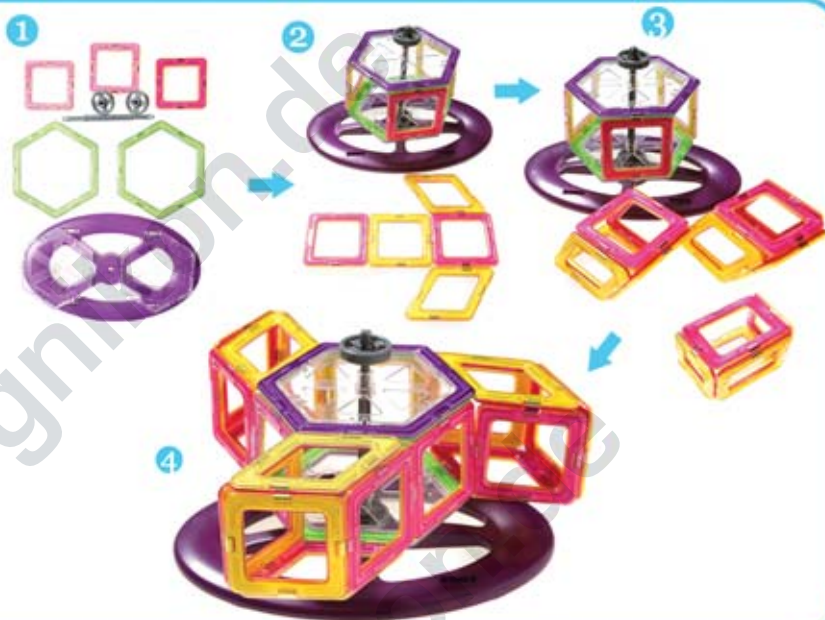
Bunny



Assembly of 3D-Models

Carousel

-  12
-  4
-  2
-  1
-  1
-  2



Small bell tower

-  20
-  24



Assembly of 3D-Models

-  8
-  14
- 
-  2
-  1
-  2
-  4

Trophy cup



-  12
-  36
- 
-  2
-  1
-  2
-  2

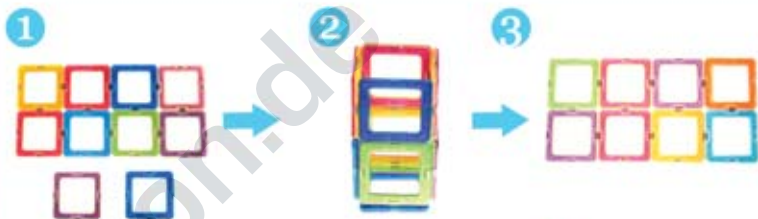
Ferris wheel



Assembly of 3D-Models

12

30



Horse

Assembly of 3D-Models

- 6 
- 42 
- 2 
- 2 



Bear



Assembly of 3D-Models

- 3
- 8
- 2
- 1
- 1
- 1



Helicopter

Assembly of 3D-Models

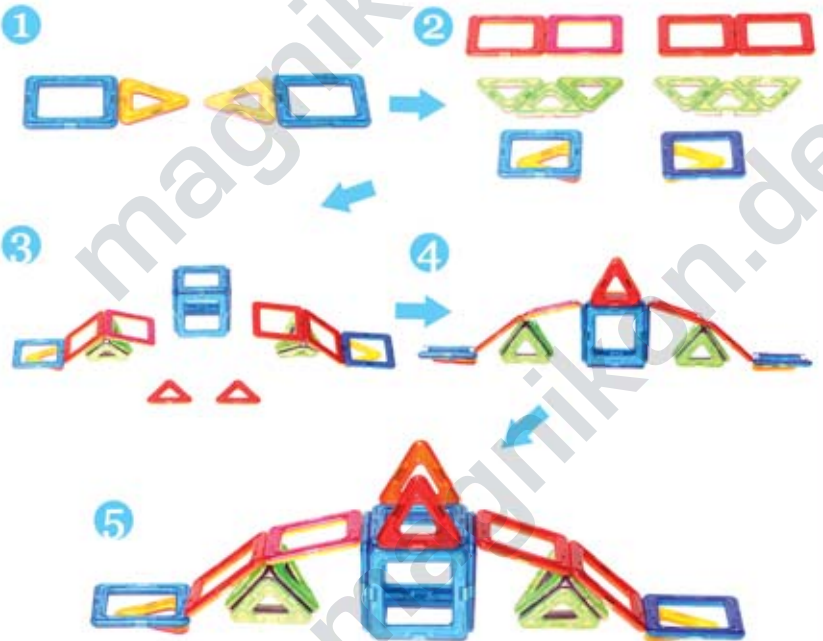
Der Aussichtsturm

10
15



Archway

10
12



Assembly of 3D-Models



14



4



2



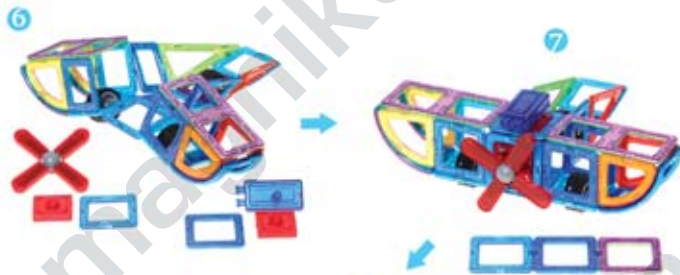
2



3



2

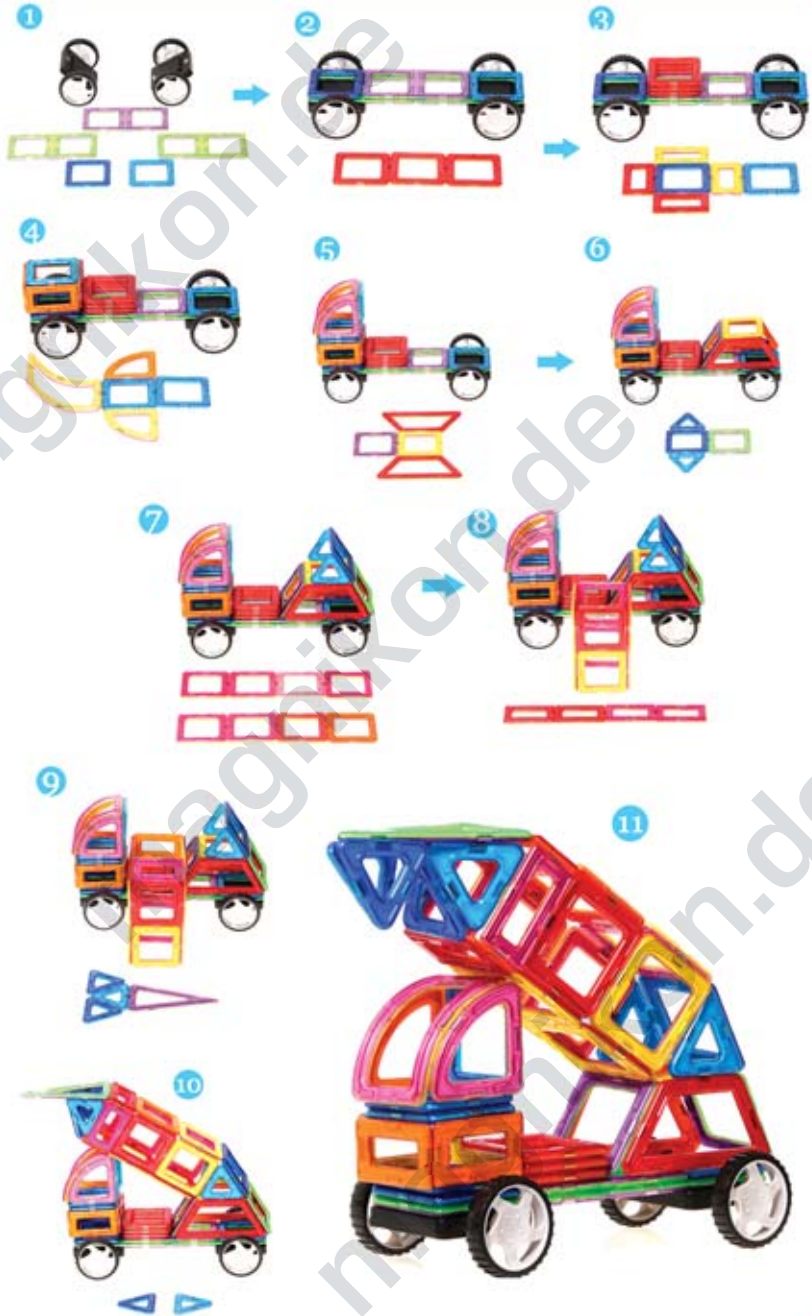


Propeller airplane

Assembly of 3D-Models

-  7
-  21
-  2
-  1
-  3
-  1
-  2
-  8
-  2

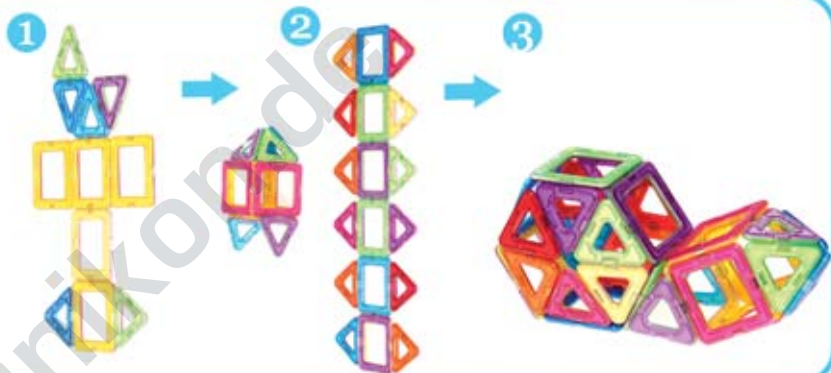
Truck crane



Assembly of 3D-Models

18
11

Snail



7
14

Penguin



Assembly of 3D-Models

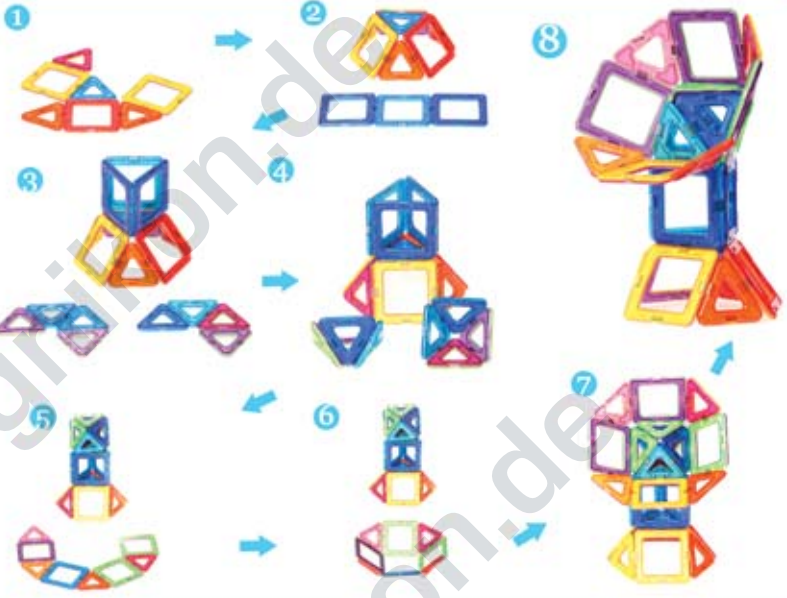


16



10

Radar



12



18

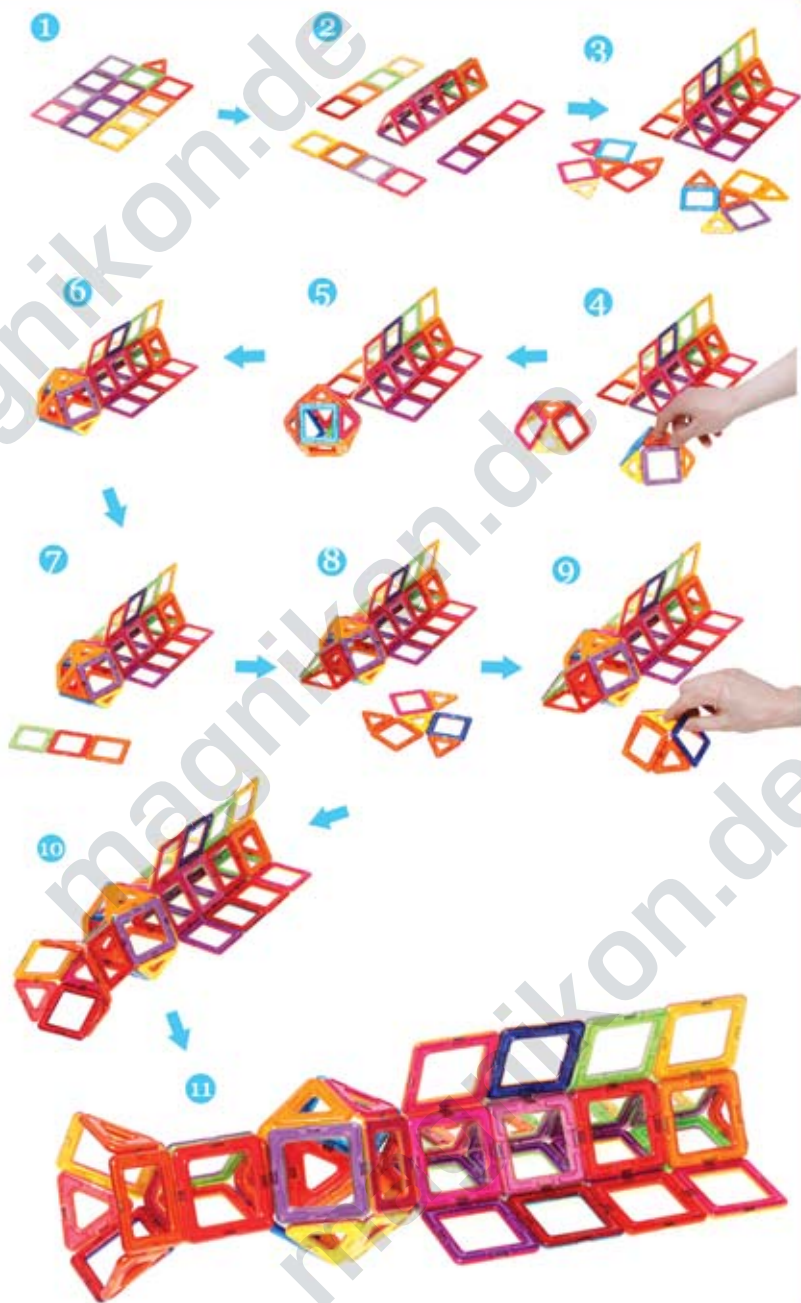


1

Lighthouse



Assembly of 3D-Models



Space station

Assembly of 3D-Models

- 10
- 26
- 6



Lunar rover

Assembly of 3D-Models

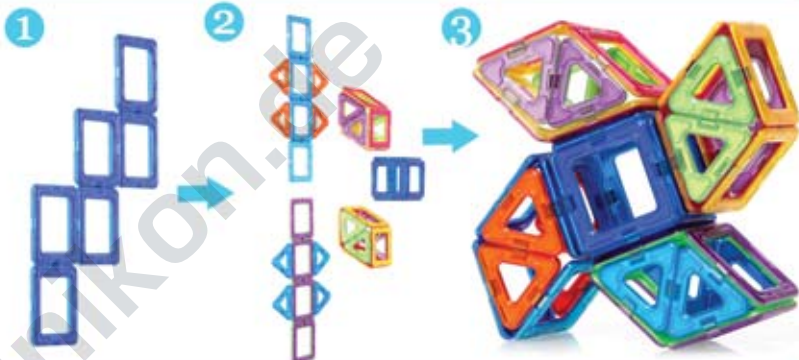


16



22

Starfish



14



21

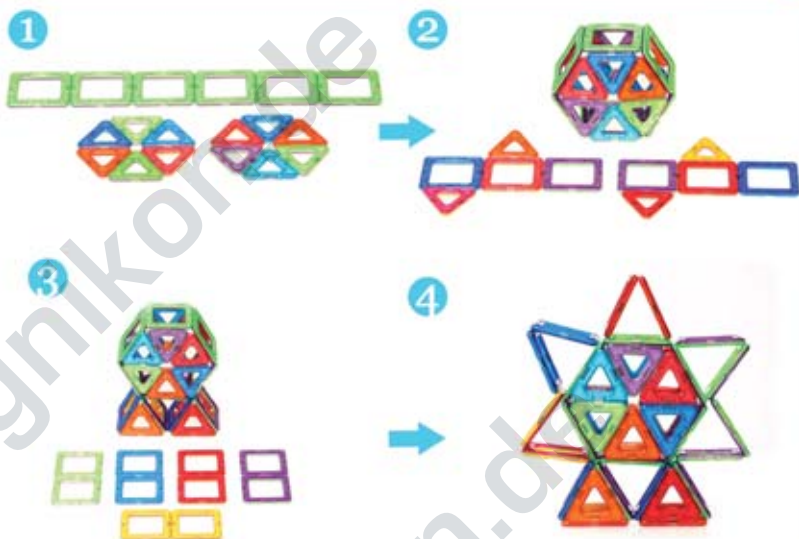
Orbital station



Assembly of 3D-Models

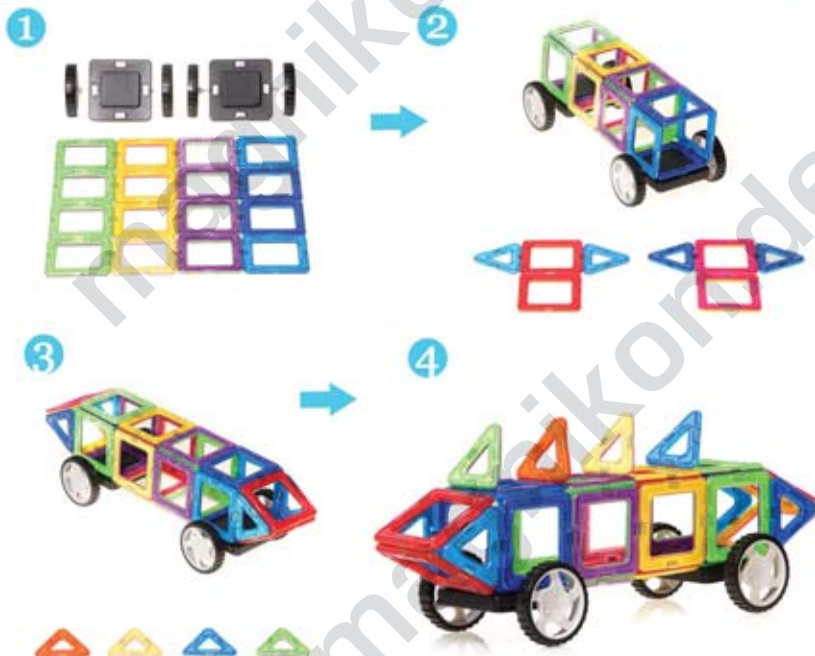
Ferris wheel

16
22



Armored train

8
20
2



Assembly of 3D-Models

- 15 
- 30 
- 12 



Magic sphere

Assembly of 3D-Models

-  19
-  15
-  2
-  2
-  3

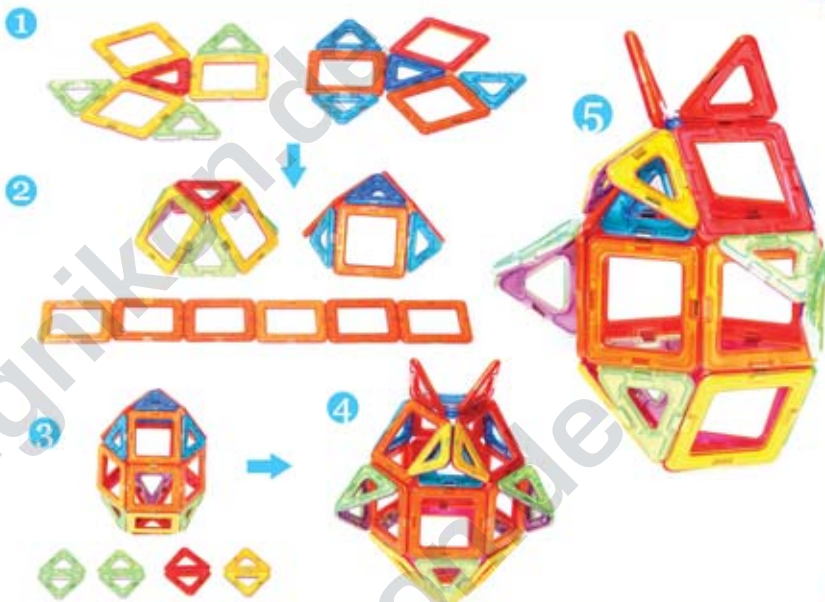


Robot "MAGNIKON"

Assembly of 3D-Models

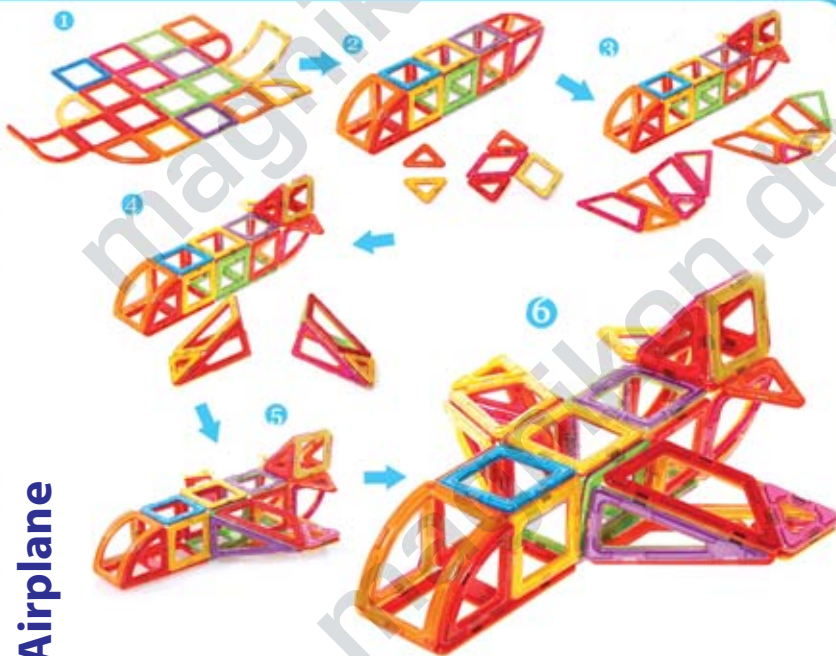
-  16
-  12

Owl









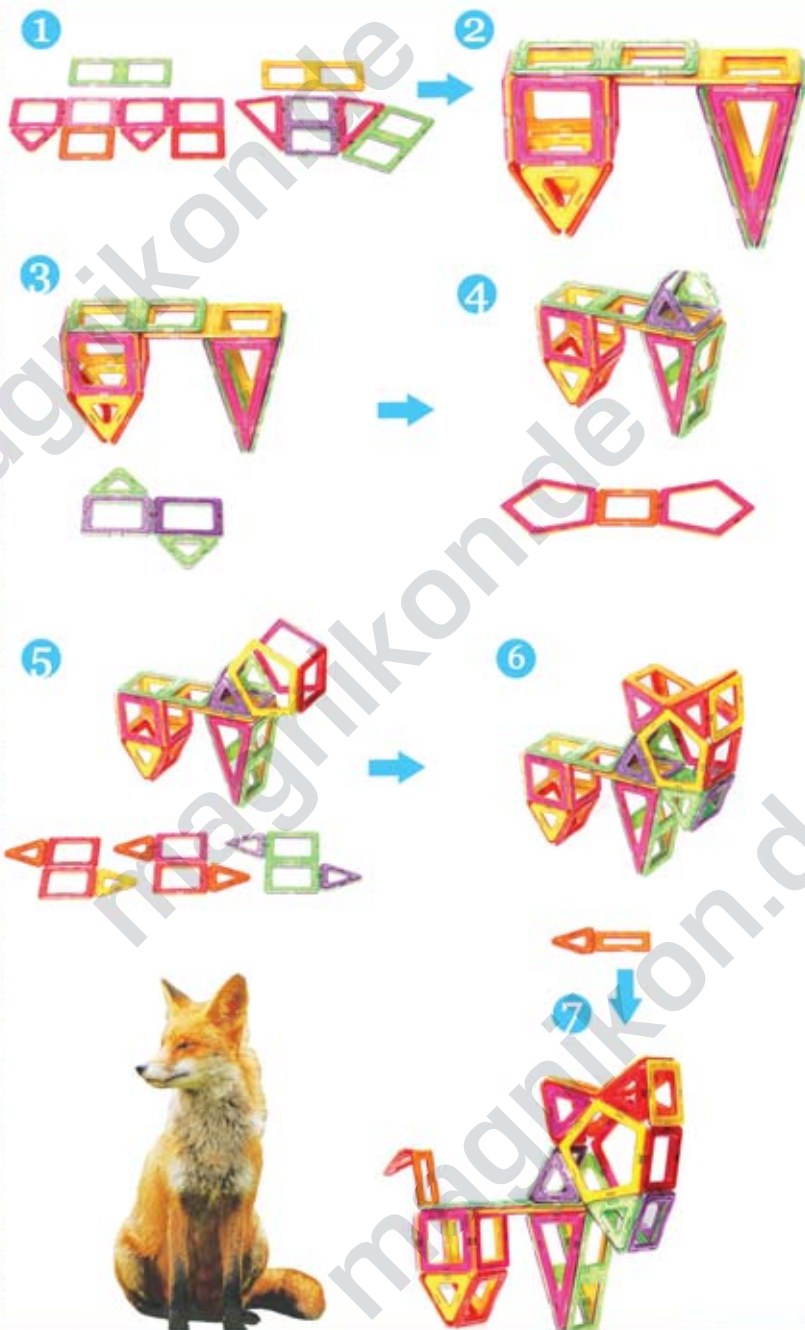
-  4
-  14
-  4
-  4
-  2
-  4
-  2

Airplane



Assembly of 3D-Models

- 11 
- 15 
- 4 
- 2 
- 2 
- 1 

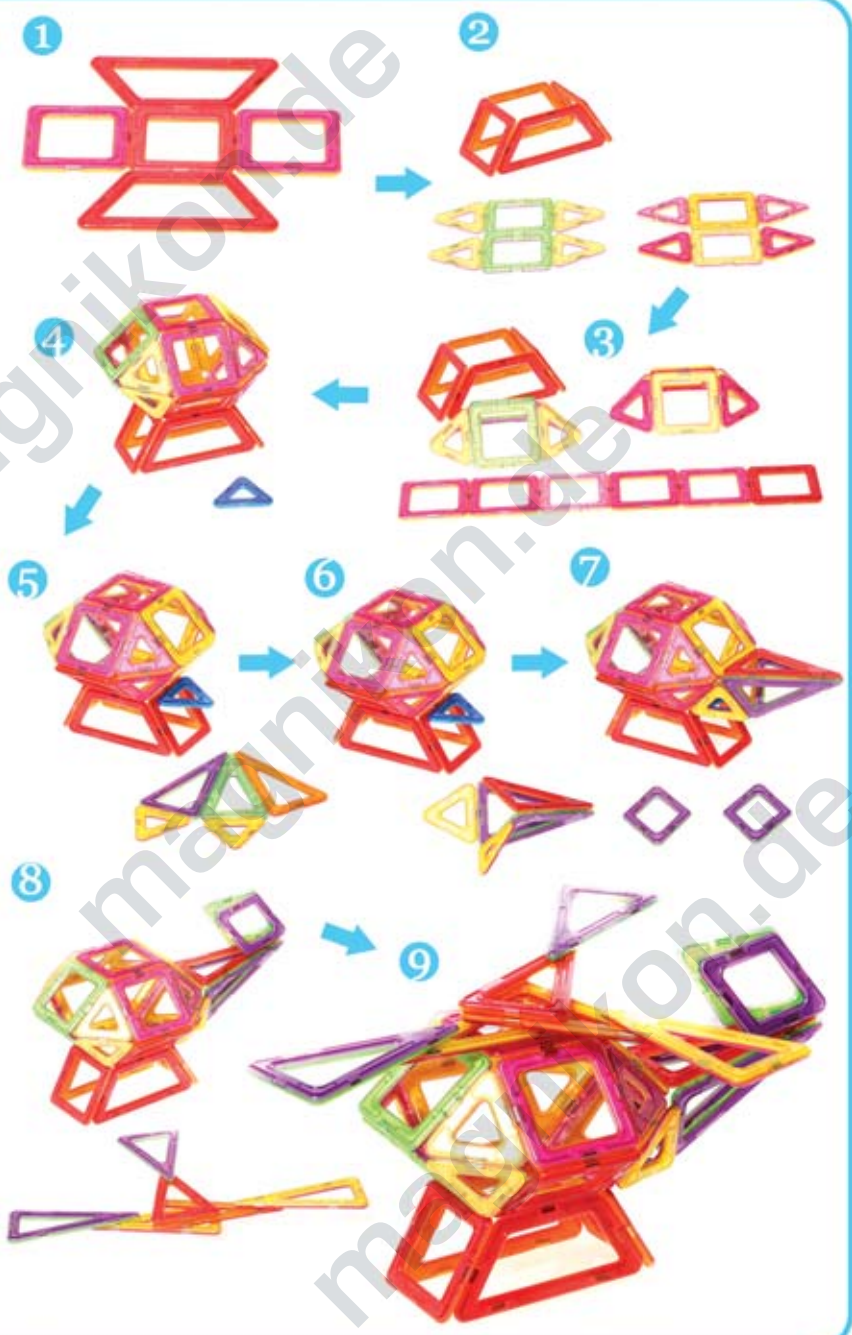


Fox



Assembly of 3D-Models

-  11
-  12
-  2
-  9
-  2



Single seat helicopter

Assembly of 3D-Models



33



28



4



4

1



2



3



4



6



5



7



8



9



10



11



12



13



Jet

Assembly of 3D-Models



5



2



1



7



4



1

1



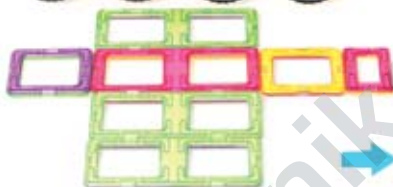
2



3



4

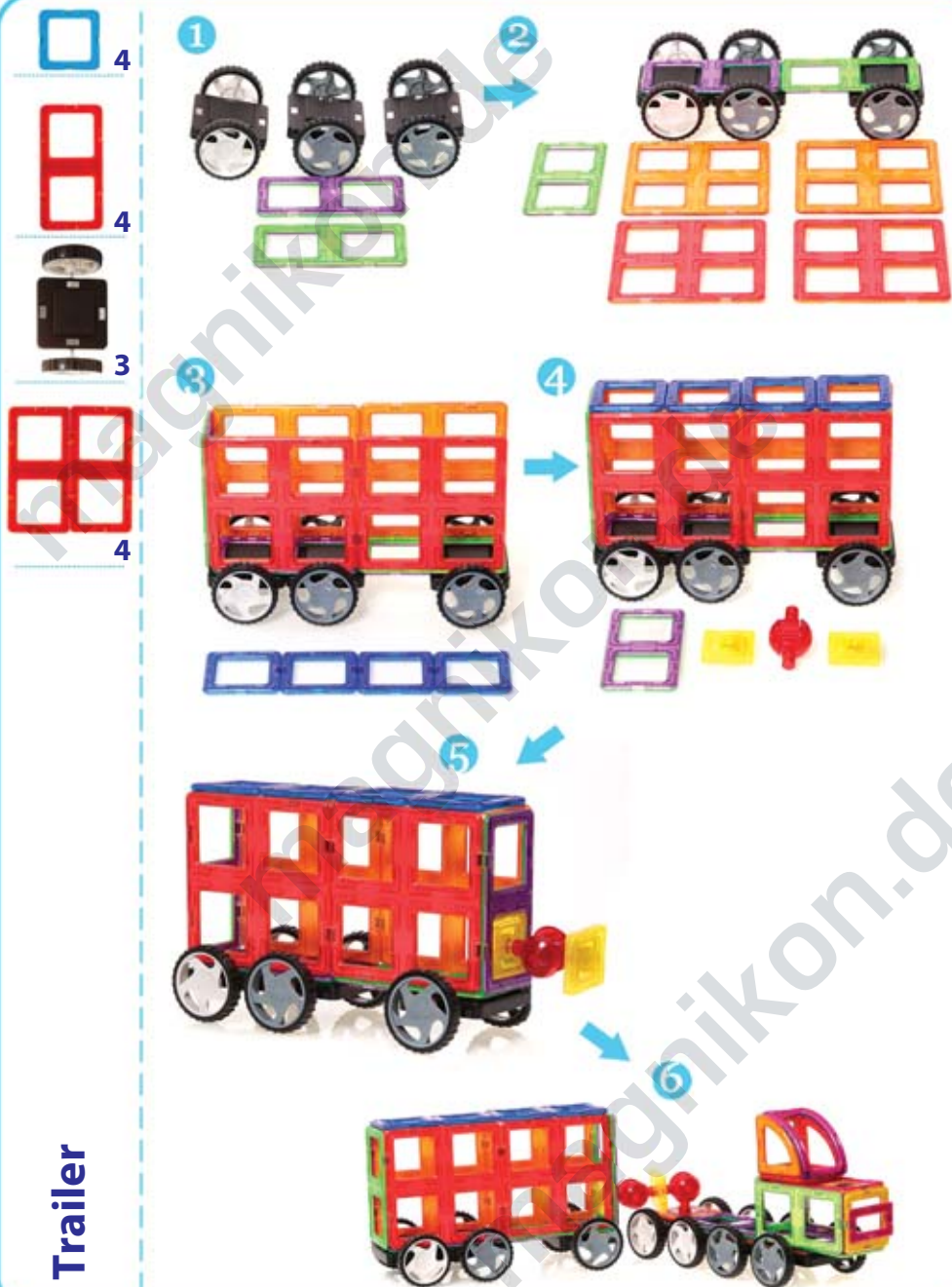


5



Cab

Assembly of 3D-Models

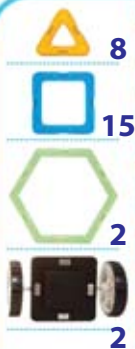


Assembly of 3D-Models

Race Car



Race Car-2







Assembly of 3D-Models

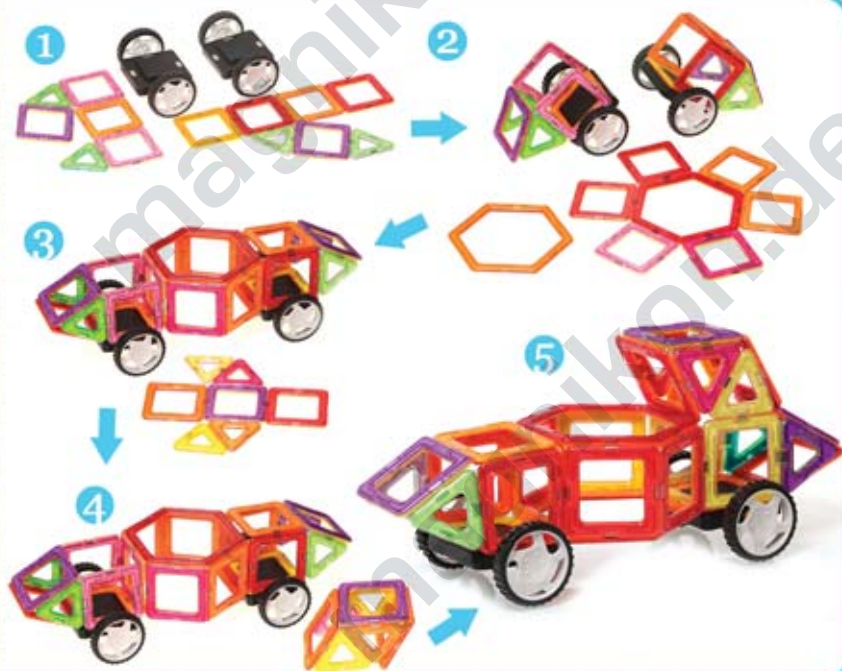
Race Car-3

-  8
-  4
-  2



Race Car-4

-  8
-  19
-  2
-  2



Assembly of 3D-Models

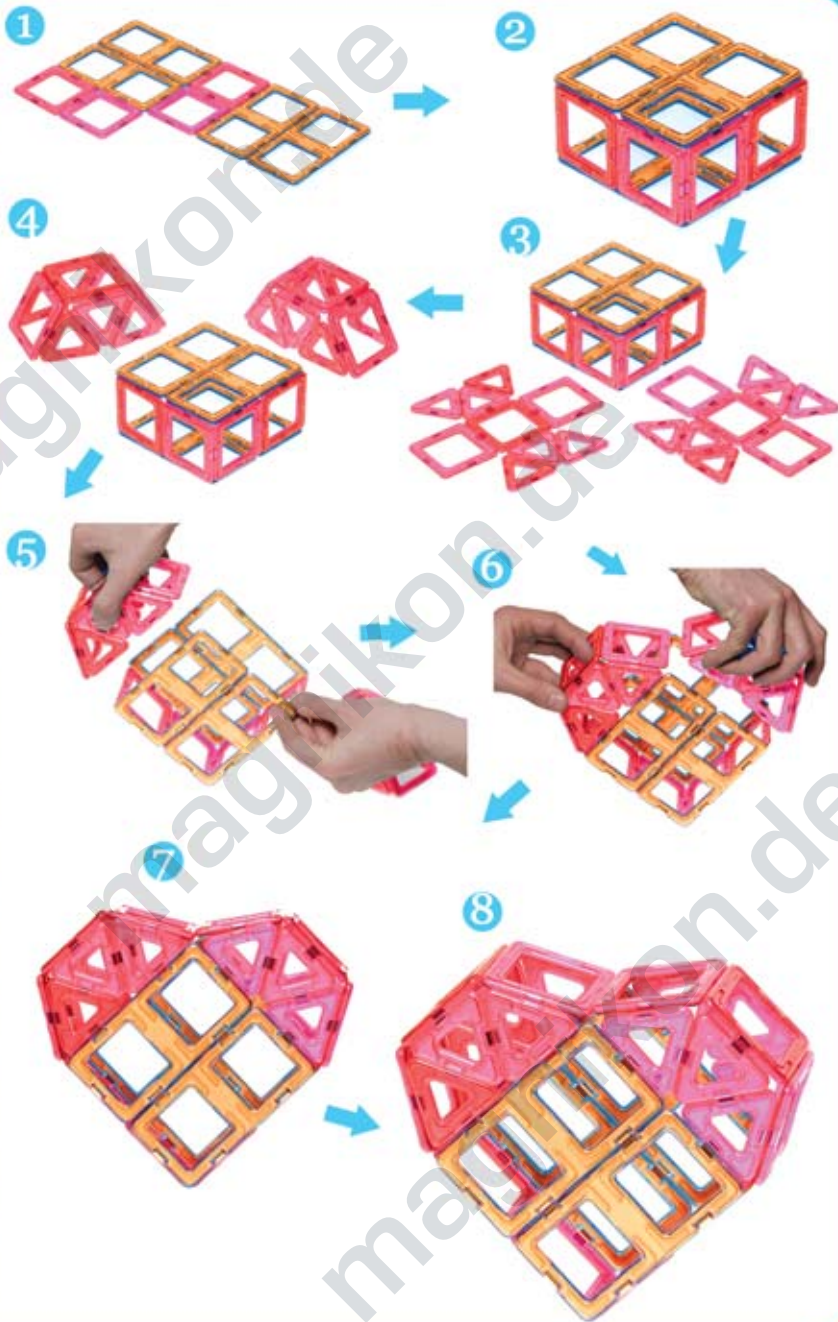
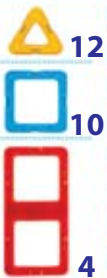
-  7
 1
 2
 2
 2
 2
Car



-  2
 2
 2
 2
Car-2

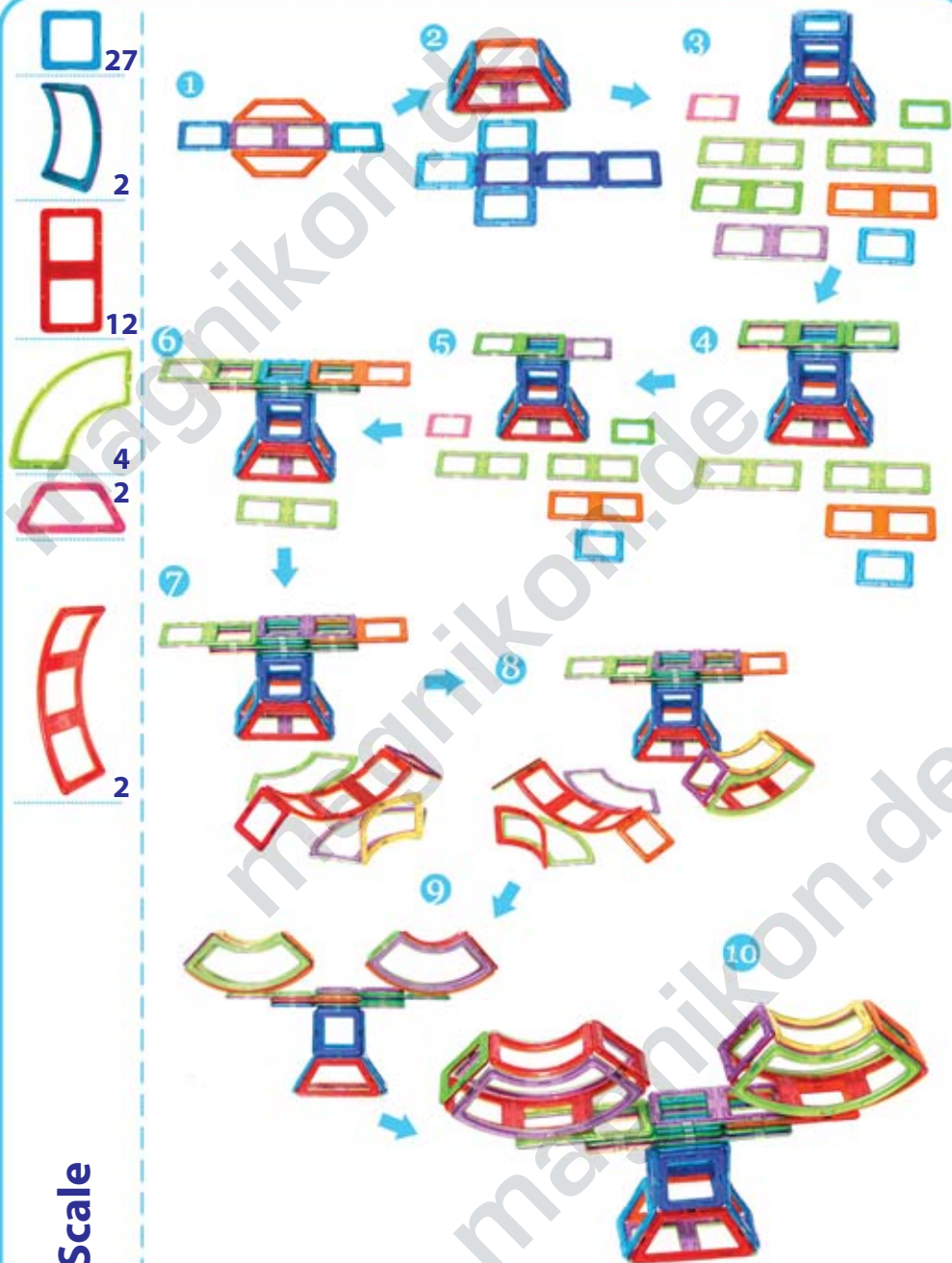


Assembly of 3D-Models



Heart

Assembly of 3D-Models



Scale

Assembly of 3D-Models



27



54



12



8



1



2



3



4



5



6



7



8



9

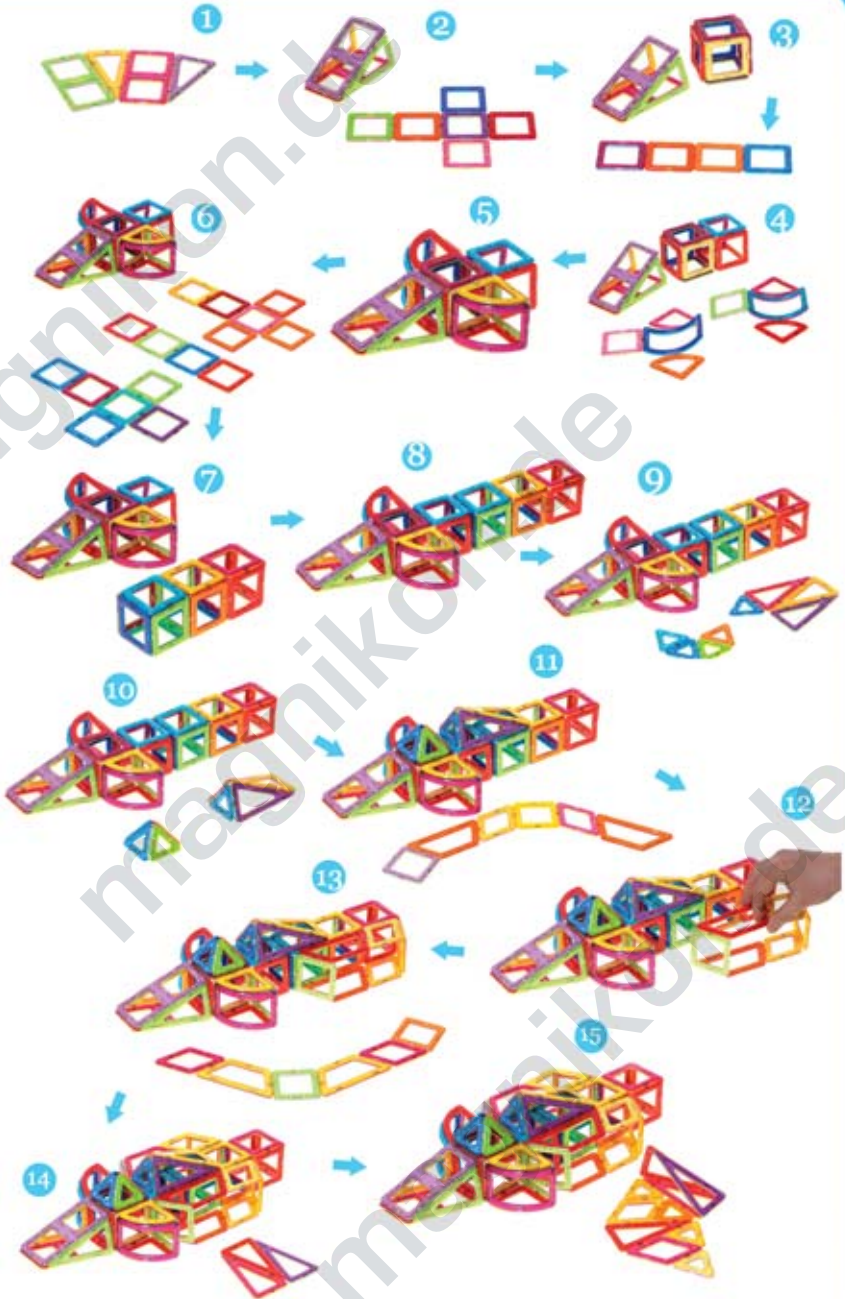


The Tower Bridge

Assembly of 3D-Models

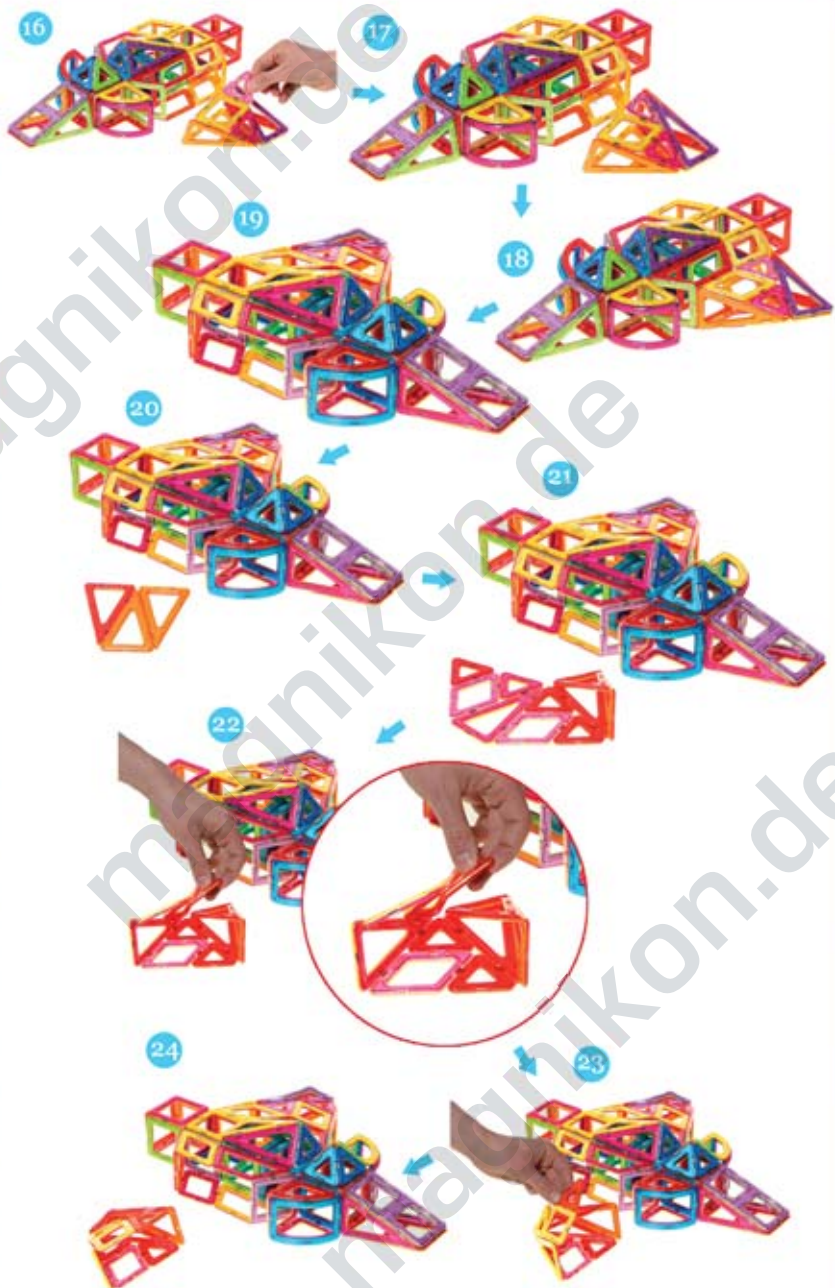
-  13
-  40
-  6
-  6
-  2
-  2
-  11
-  8

Manned space shuttle



Assembly of 3D-Models

Manned space shuttle










Assembly of 3D-Models



**Manned space
shuttle**

Assembly of 3D-Models

-  12
-  12
-  4
-  2
-  2
-  4
-  4



Dolphin

Assembly of 3D-Models

-  56
-  20
-  5
-  5
-  4
-  4



Turtle

Assembly of 3D-Models

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



Turtle



Assembly of 3D-Models

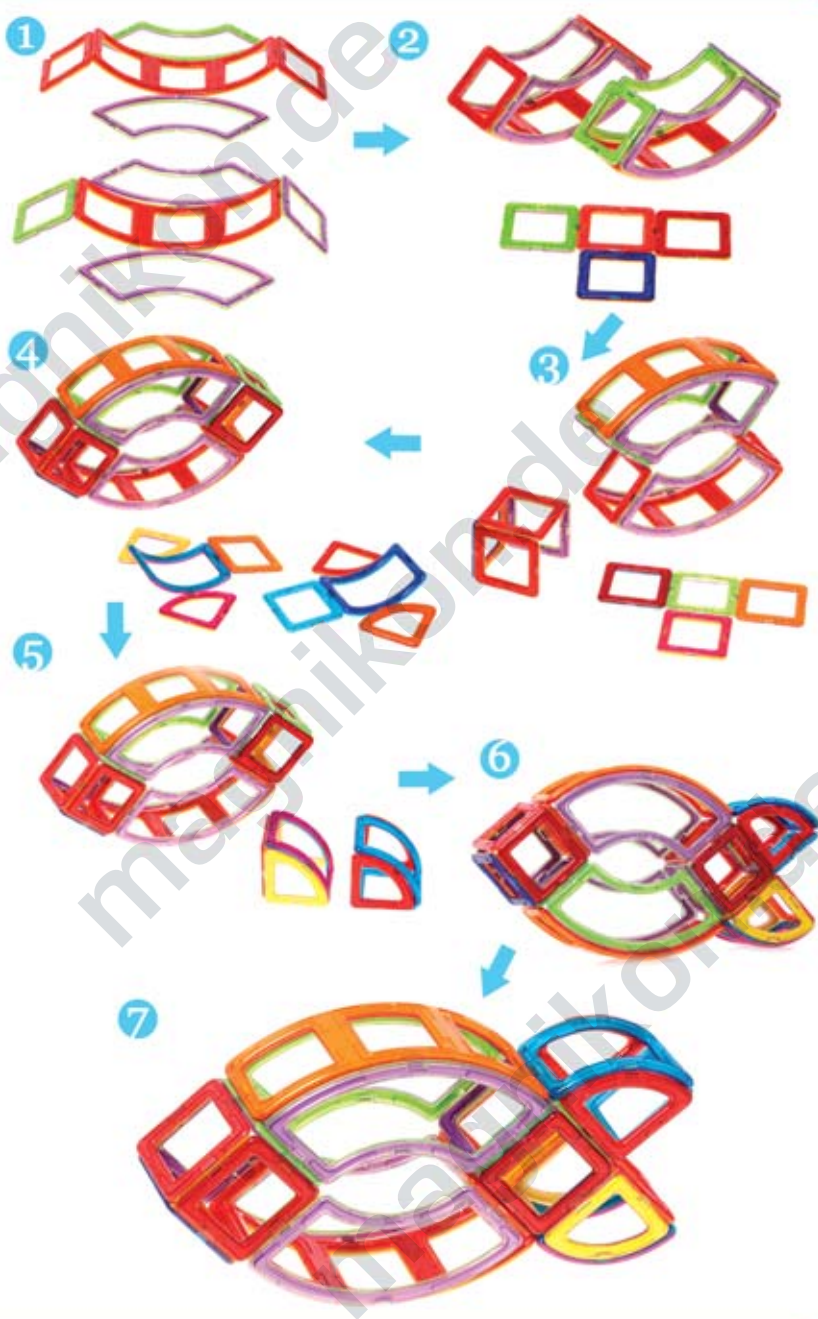


A diplodocus was around 35 m tall.
It is comparable with a 9-floor building.

Diplodocus

Assembly of 3D-Models

- 14 □
- 4 ▽
- 2 ⤿
- 4 ⤿
- 2 ⤿



Fish

Assembly of 3D-Models

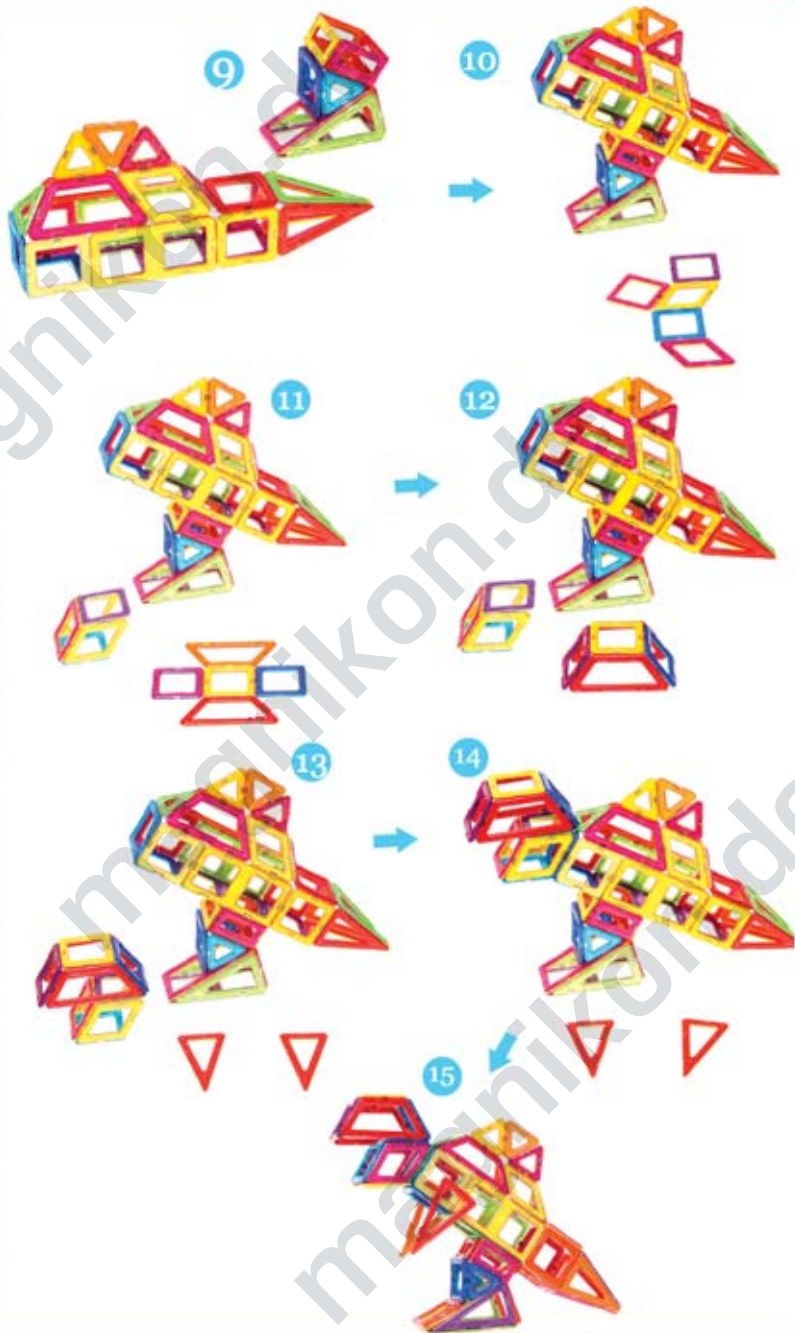
-  7
-  17
-  4
-  4
-  10
-  4
-  5












Tyrannosaurus

Assembly of 3D-Models

Researchers have thoroughly investigated teeth of Tyrannosaurus. Researchers have found that the saw-like internal 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.



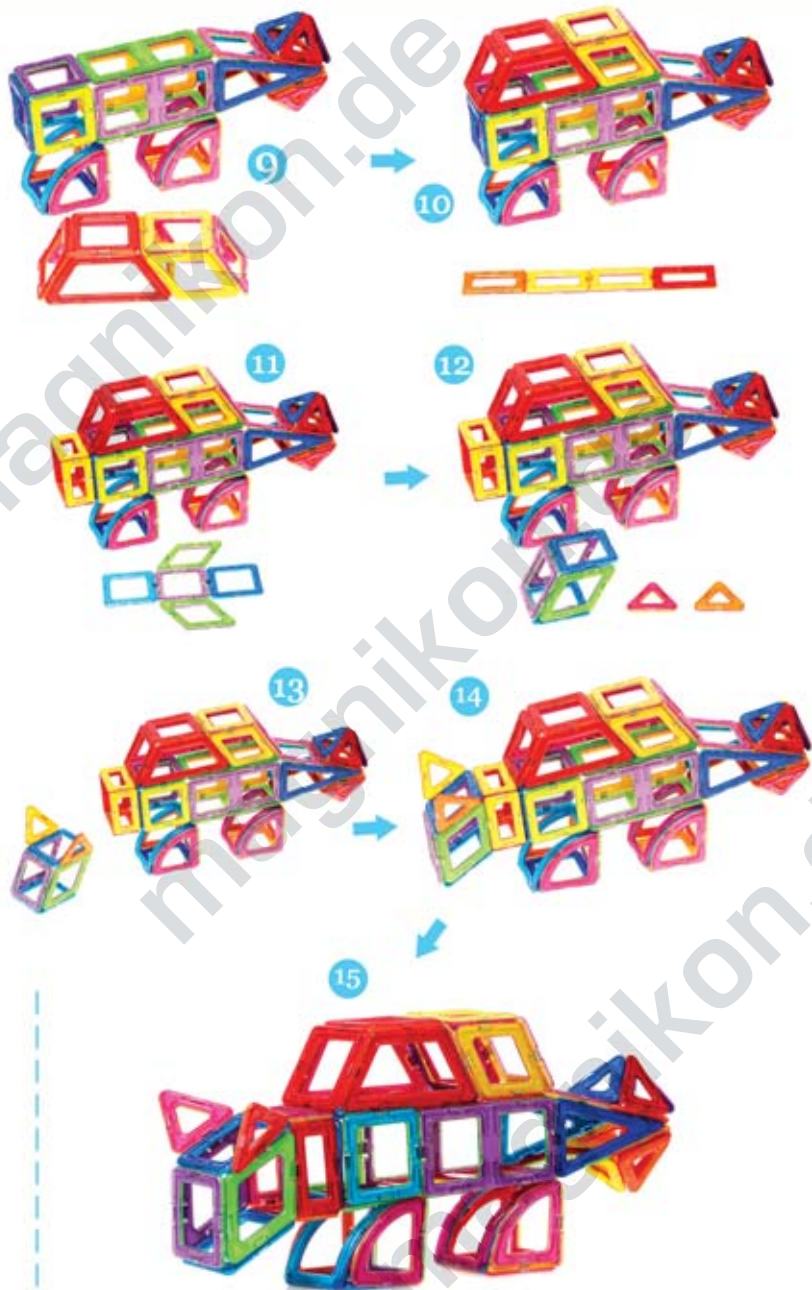
Assembly of 3D-Models

-  10
-  17
-  4
-  4
-  4
-  2
-  2
-  2
-  4

Ankylosaurus



Assembly of 3D-Models



Assembly of 3D-Models



24



2



4



9



8

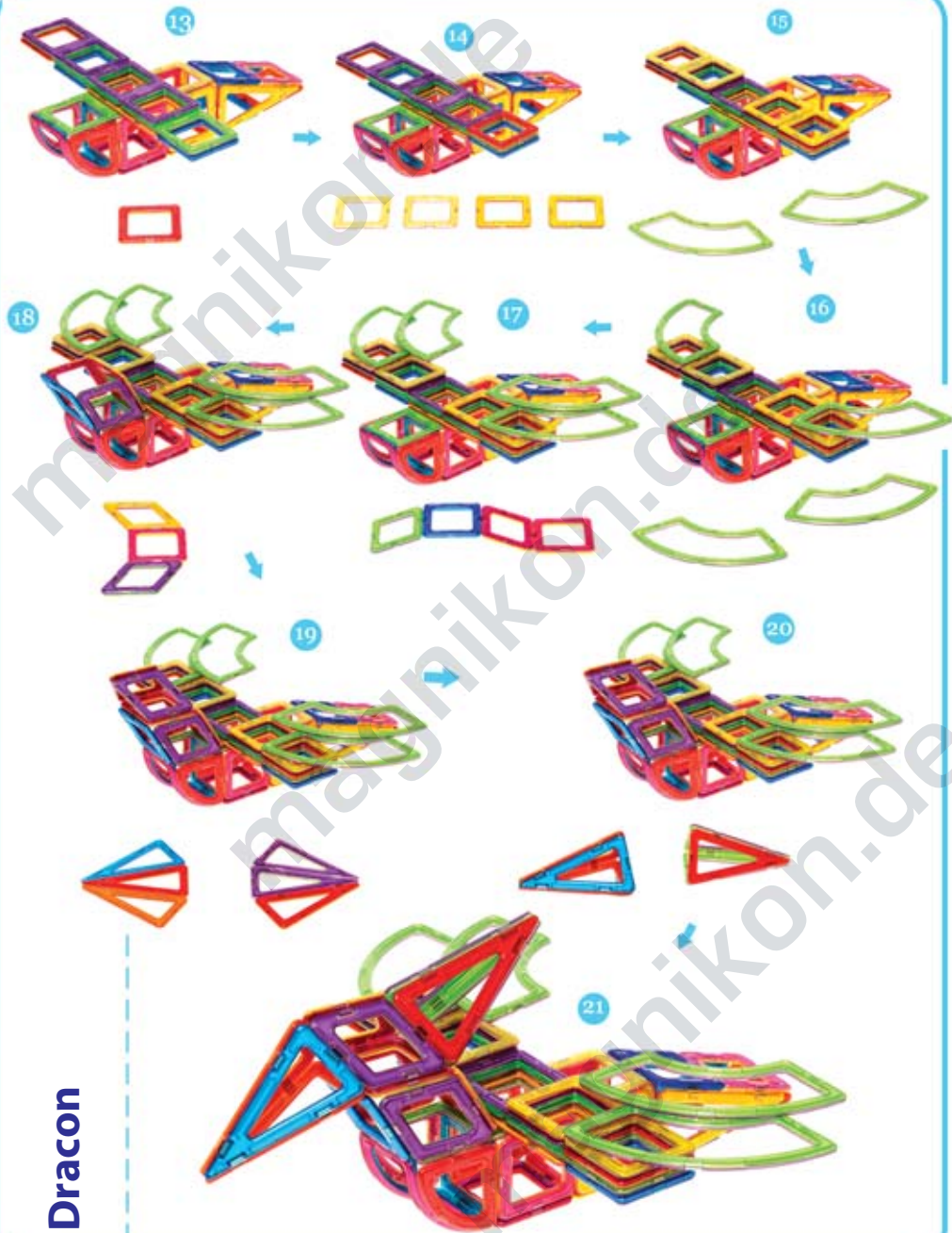


4



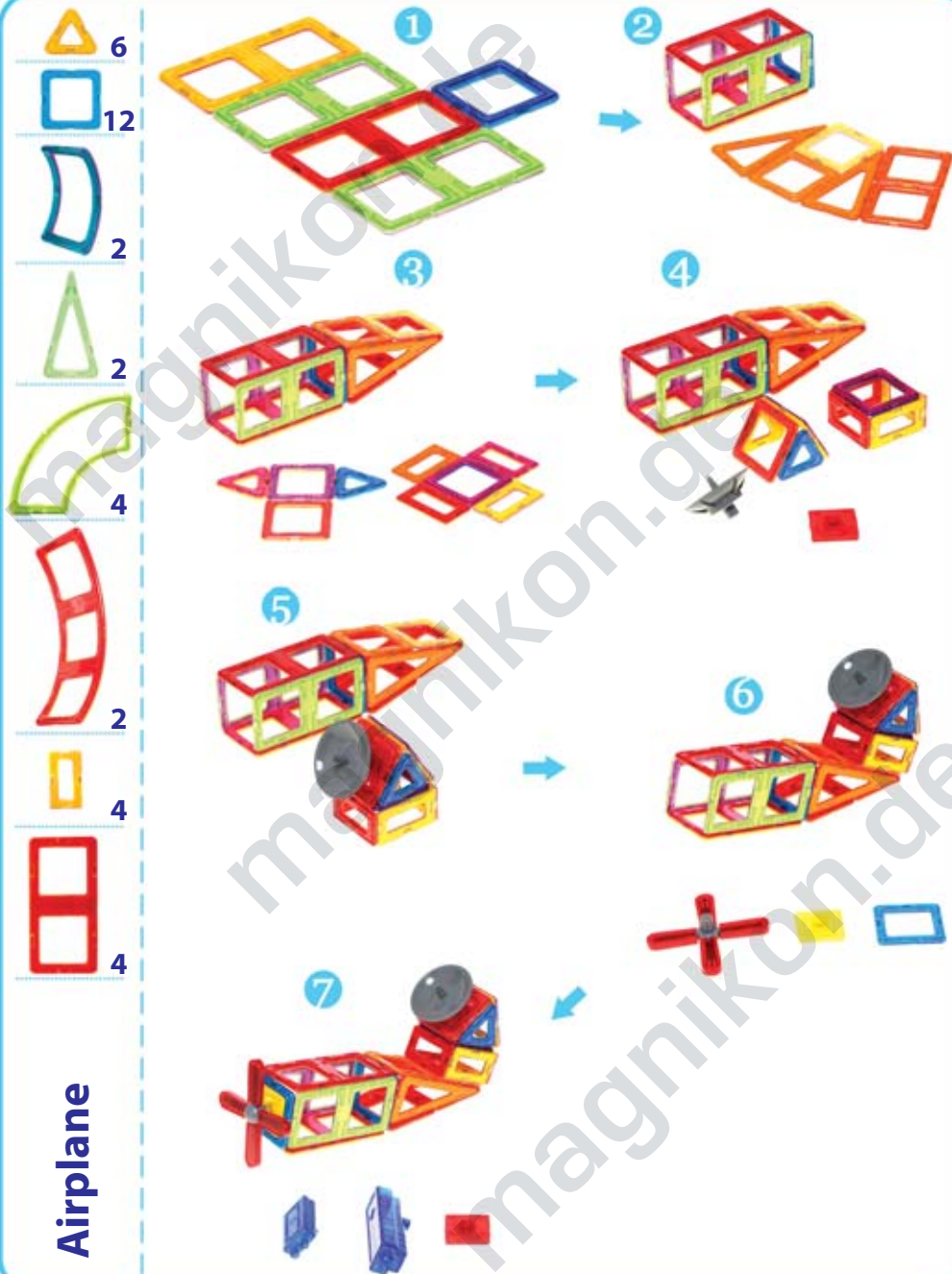
Dracon

Assembly of 3D-Models





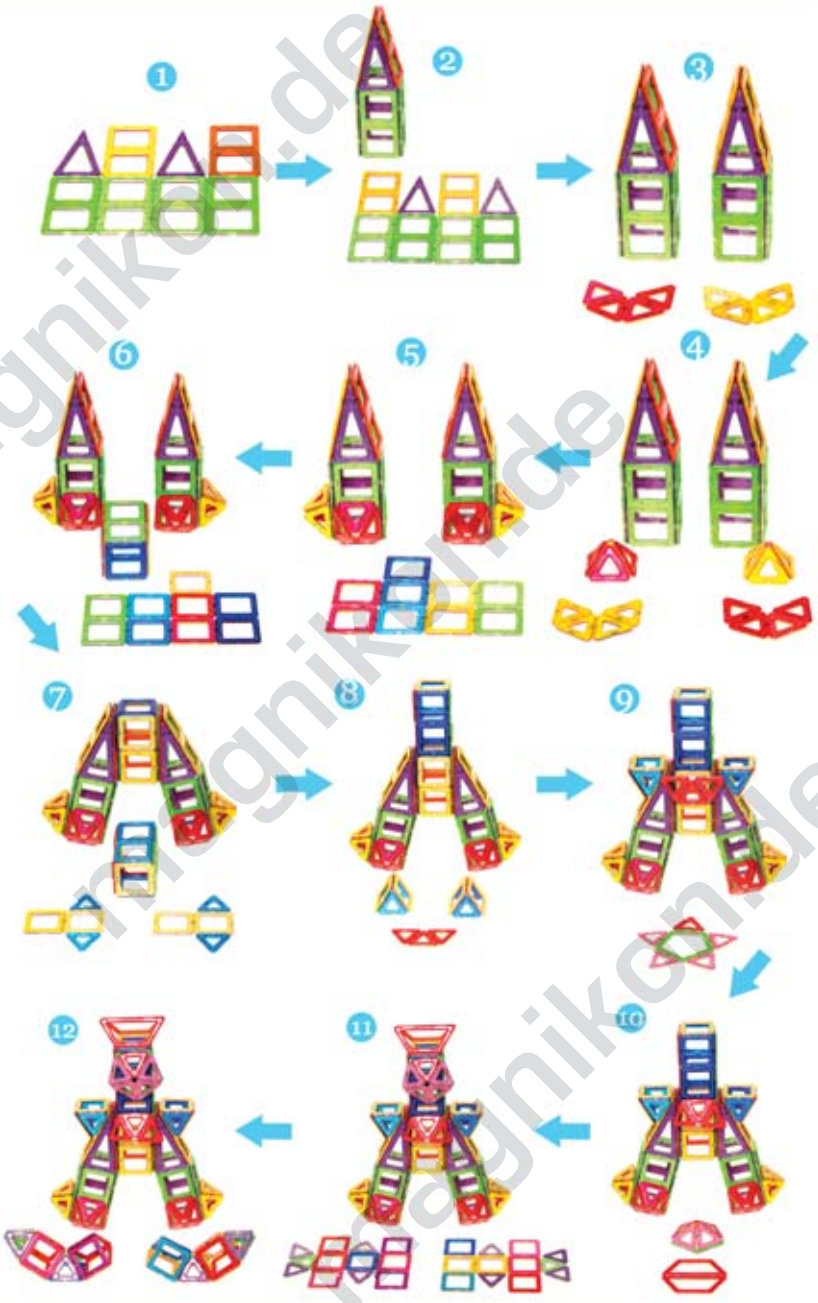
Dracon

Assembly of 3D-Models



Assembly of 3D-Models

-  50
-  36
-  6
-  1
-  2
-  12



Robot "Giant"

Assembly of 3D-Models



Assembly of 3D-Models

12

23

4

8

8

8

1

2

3

4

5

6

7

The Eiffel Tower



Assembly of 3D-Models



The Eiffel Tower

Assembly of 3D-Models



24



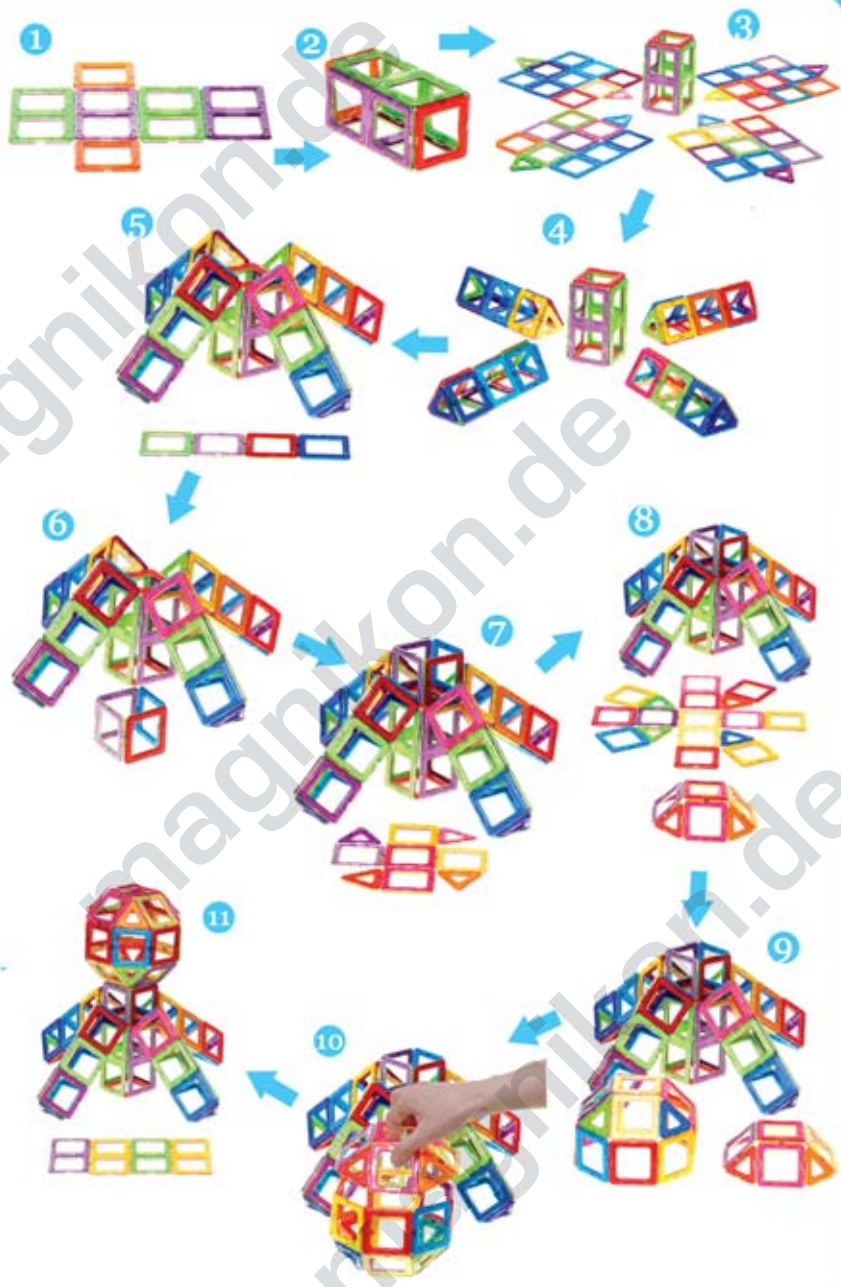
68



4



8



The Shanghai Tower

Assembly of 3D-Models

The Shanghai Tower



Assembly of 3D-Models

Excavator with a crane



Excavator



Assembly of 3D-Models








Robot "Builder"

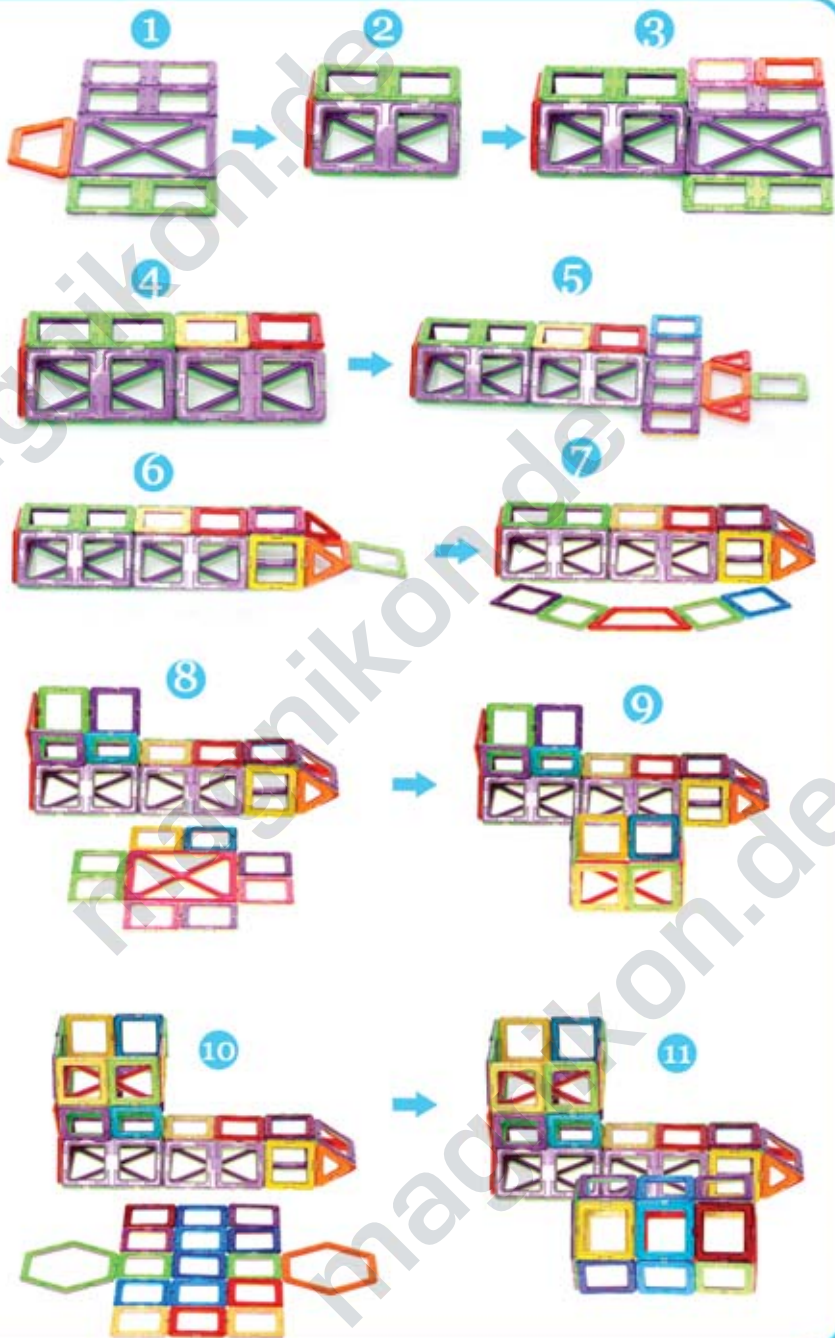


Trolley



Assembly of 3D-Models

-  18
-  37
-  6
-  2
-  2
-  5
-  10



Locomotive

Assembly of 3D-Models



Locomotive



Assembly of 3D-Models



40



80



16



16



Taj Mahal

Assembly of 3D-Models



Taj Mahal

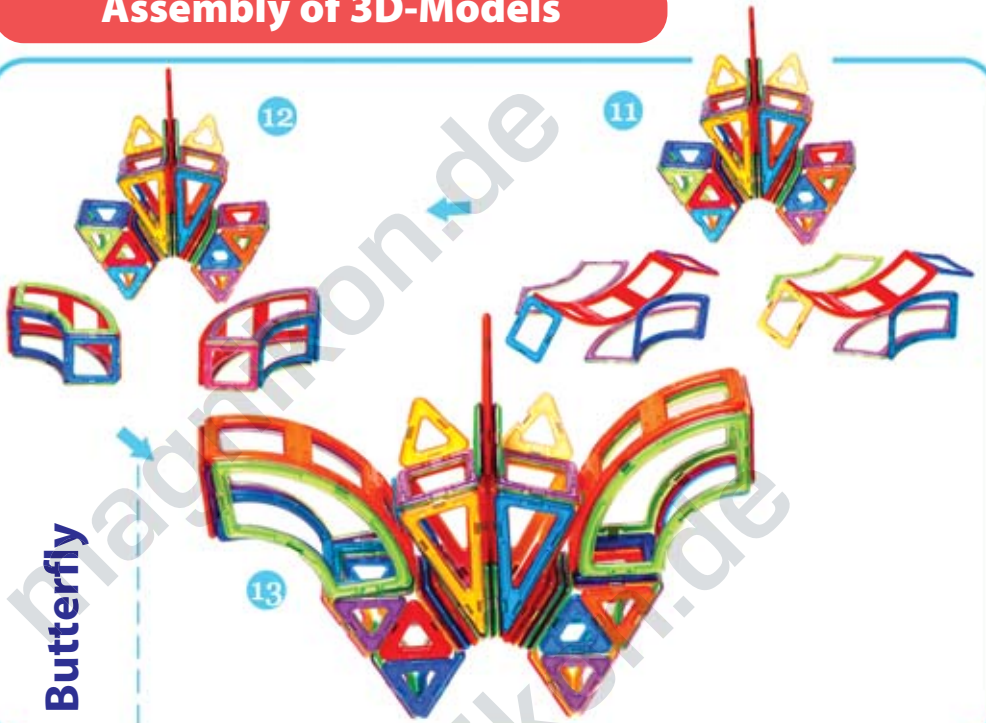
Assembly of 3D-Models



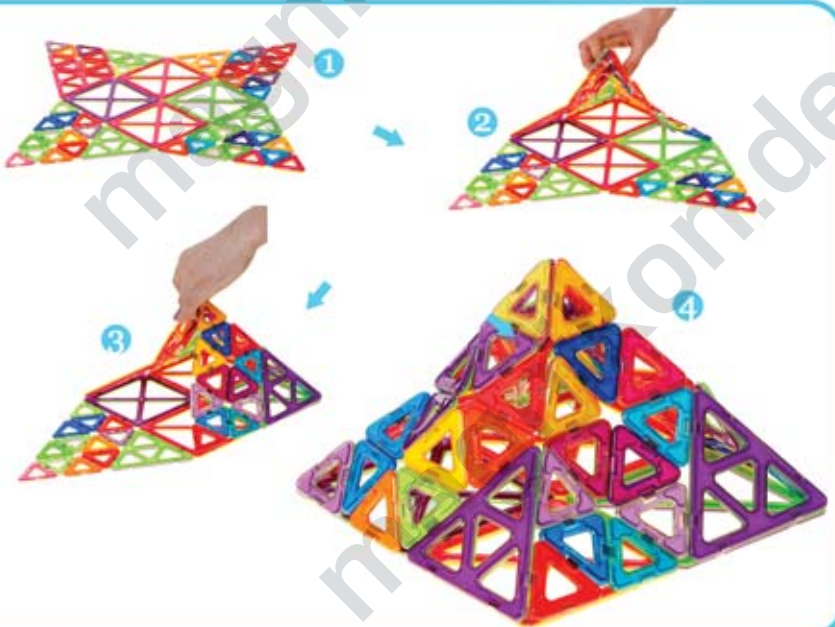
Butterfly

Assembly of 3D-Models

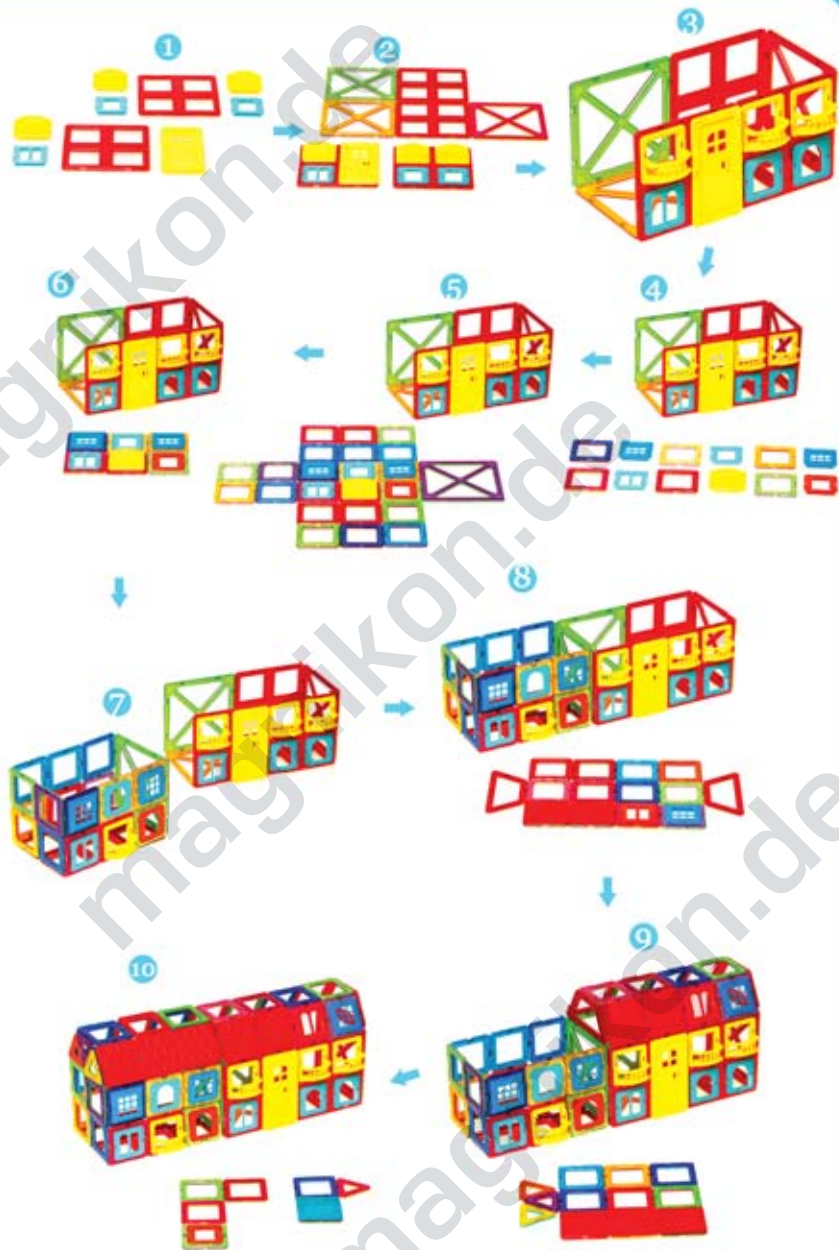
Butterfly



The Cheops Pyramid



Assembly of 3D-Models



Big house

Assembly of 3D-Models



Big house

Assembly of 3D-Models

-  15
-  15
-  7
-  1
-  1
-  2
-  6
-  1
-  2

Rocket launcher



Assembly of 3D-Models



Assembly of 3D-Models



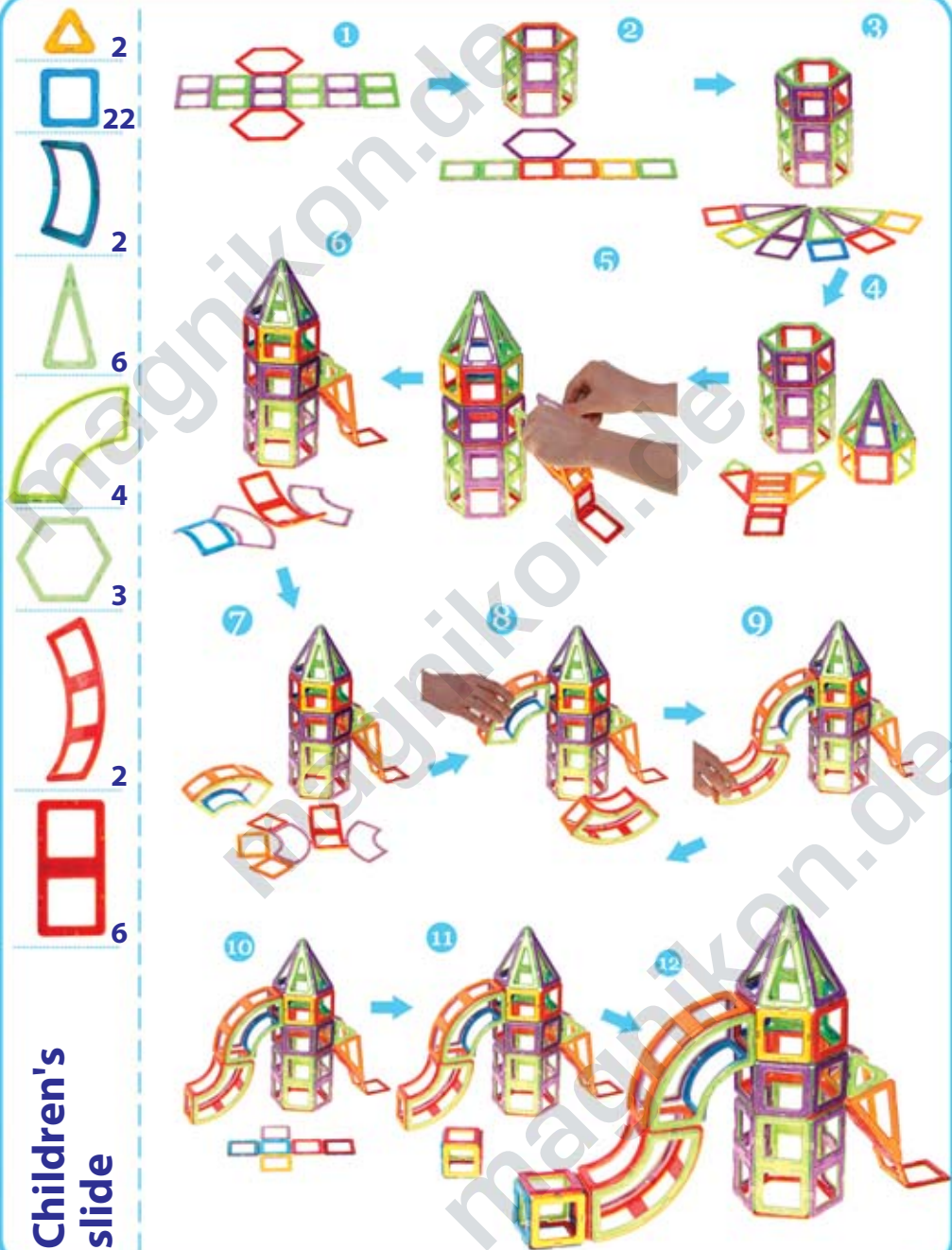
**Rocket launcher
with trailer**

Assembly of 3D-Models



**Rocket launcher
with trailer**

Assembly of 3D-Models



**Children's
slide**

Assembly of 3D-Models



30



3



8



15



3



6



4



2

1



2



3



4



5



6



7



8



9



10



Robot

Assembly of 3D-Models

Robot-Transformer

-  34
-  32
-  7
-  2
-  2
-  2
-  8
-  2



The assembly process is shown in 13 numbered steps:

- Step 1: A horizontal base of blue, purple, and red squares is connected to a vertical column of blue, green, and purple squares.
- Step 2: A blue square is added to the top of the vertical column.
- Step 3: The structure is folded into a 3D rectangular frame with yellow, green, and purple sides.
- Step 4: A yellow square is added to the bottom of the vertical column.
- Step 5: A green triangle is attached to the side of the frame.
- Step 6: A black motor is inserted into the frame.
- Step 7: A green square with a motor is attached to the side.
- Step 8: A red trapezoid is attached to the bottom.
- Step 9: A yellow triangle is attached to the top.
- Step 10: A hand is shown attaching a green semi-circle to the bottom.
- Step 11: A hand is shown attaching a red trapezoid to the bottom.
- Step 12: A hand is shown attaching a black motor to the bottom.
- Step 13: A hand is shown attaching a red trapezoid to the bottom, completing the robot's legs.

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 udusenía – Malé časti.
- IT** **Avvertenza!** Non adatto a bambini di età inferiore a 3 anni. Pericolo di soffocamento – piccole 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. Kvävningrisk – 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.



ACHTUNG!

Verschluckbare Kleinteile Nicht
geeignet für Kinder unter 3 Jahre