

Miniature U
SINCE 1987

Happiness Ferris Wheel

Instruction manual

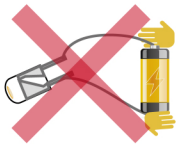


Happiness Ferris Wheel

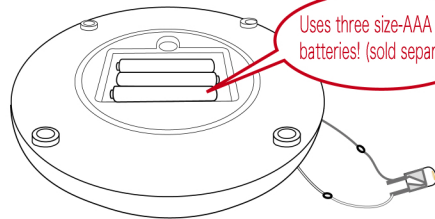
Happiness Ferris Wheel

Before beginning to make...

1. Please prepare your own tools for building (needle, scissors, cutter, tweezers, etc.)
2. Please be sure to use the correct materials when cutting to avoid mistakes.
3. Please be aware that the color of the materials may differ from the photos in this manual.
4. An adult should be present if children are building.
5. Please test the operation of the LED light bulbs (A4) by referring to the image below.



DO NOT connect the cords directly to the batteries.



Lighting tests require connecting to the bottom of the pedestal of the A1 pedestal set. Please prepare batteries and a screw driver. Connect the cords with the same colors.

Warning

DO NOT plug any of the cords into power outlets.

Contents of Bag A



A1 Pedestal set
(1 set)



A2
Transparent dome (1)



A3 Screws (4)



A4 LED lights (7)



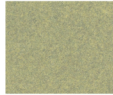
A5 Glue (1)



A6
Protection sticker (1)



A7 Paper part (1)



A8 Grass sheet
6x4cm (1)



A9 Transparent
tube 4cm (1)



A10 Ball chain (gold)
80cm (1)



A11
Jewel (pink)
(7)



A12
Jewel (light blue)
(6)



A13 Flower part (1)



A14 Eyelet
(gold) (6)



A15 Pearl beads
(white) (6)



A16 Ball chain
(silver) 15cm (1)



A17 Corrugated cardboard
8x3cm (1)



A18 Transparent
flower part (1)



A19 Torus (1)



A20 Wood
beads (2)



A21 Dry flower



A22 Beads (brown) (4)



A23 Cupcake (1)



A24 Table part (1)



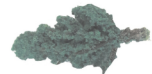
A25 Beads (pink) (3)



A26 Heart bead (1)

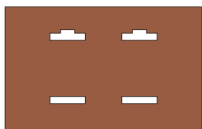


A27 Berries
(purple) (8)



A28 Tree (1)

Contents of Bag B



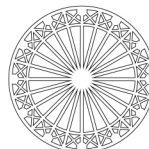
B1 Wooden part (brown)
5.6×3.5×0.2cm (1)



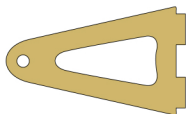
B2 Wooden part (plain wood)
5.5×0.5×0.2cm (1)



B3 Wooden part (plain wood)
2.8×0.5×0.2cm (1)



B4 Wooden parts (white)
diameter 7.2×0.2cm (2)



B5 Wooden parts (gold)
5.8×3.5×0.2cm (3)



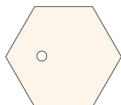
B6 Wooden parts (white)
diameter 1.3×0.15cm (2)



B7 Wooden parts (white)
0.55×0.55×0.15cm (4)



B8 Wooden part (gold)
1×0.7×0.7cm (1)



B9 Wooden part (plain wood)
3.5×3×0.2cm (1)



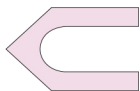
B10 Wooden parts (purple)
2×1.75×0.2cm (2)



B11 Wooden parts (light purple)
1.3×1.3×0.3cm (2)



B12 Wooden parts (purple)
2×1.75×0.2cm (2)



B13 Wooden parts (light purple)
1.75×1.1×0.4cm (2)



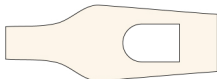
B14 Wooden parts (navy blue)
1.4×0.8×0.2cm (2)



B15 Wooden parts (beige)
1.3×0.6×0.2cm (2)



B16 Wooden parts (purple)
2×1.75×0.2cm (2)



B17 Wooden part (plain wood)
2.8×1×0.9cm (1)



B18 Wooden part (plain wood)
2×1×0.1cm (1)



B19 Wooden parts (beige)
3.3×1.5×0.2cm (2)



B20 Wooden parts (brown)
1.1×1×0.1cm (2)



B21 Wooden parts (brown)
1.1×0.7×0.1cm (2)



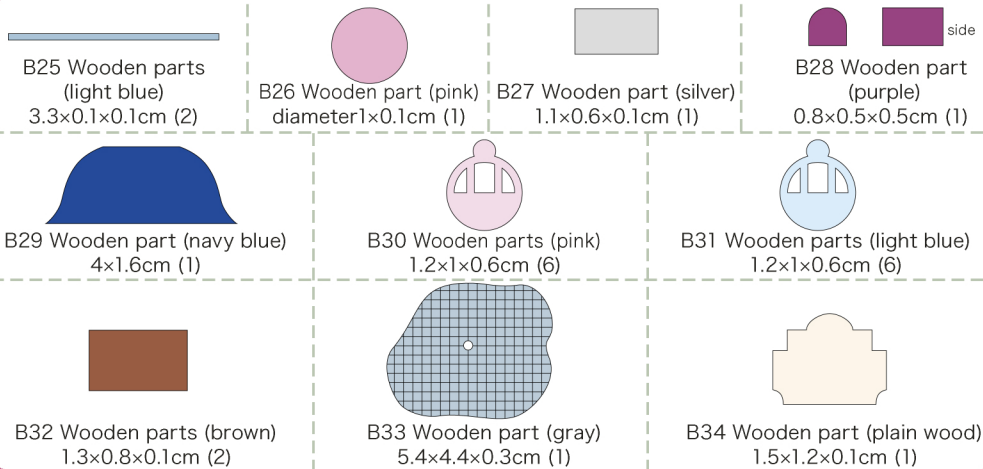
B22 Wooden part (light blue)
2.1×0.7×0.1cm (1)



B23 Wooden parts (plain wood)
3.3×0.5×0.2cm (2)



B24 Wooden part (plain wood)
3.3×1.1×0.5cm (1)

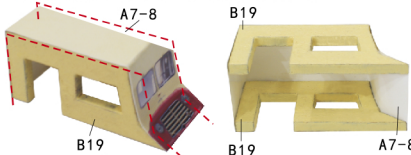


Building process

Kitchen van

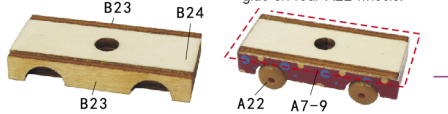
Top of van body

Glue two B19 to both sides of A7-8.

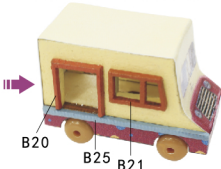


Bottom of van body

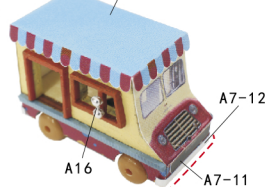
Glue B23 and B24 together.



Glue the top and bottom of the van body together.
Glue on B20, B21 and B25 to both sides.



Glue on A7-10, 11, 12 and A16.

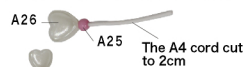


Balloon

Cut off 2cm of the A4 white cord.



Glue A25 and A26 to the A4 cord that was cut to 2cm.



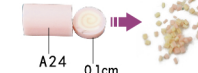
Signboard

Glue B18 and A7-13 together.

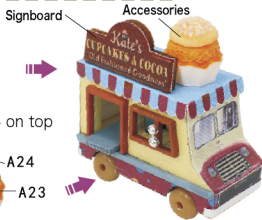
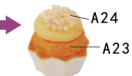


Accessories

Slice A24 and mince it.



Glue A24 on top of A23.



Pass the remaining A4 through the hole in the bottom of the van and glue it on.
Glue the balloon to the back of the signboard.

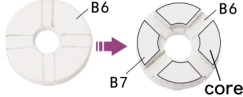
That completes the kitchen van.



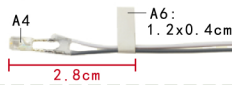
Ferris wheel

The Ferris wheel's lights

* Glue B7 onto B6.



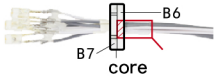
* Wrap around a piece of A6 at the 2.8cm point of A4. Create four sets in total.



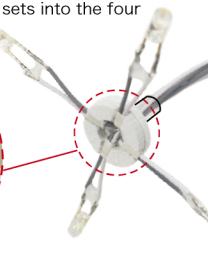
* Pass A9 through the four sets and apply glue to the part marked with red slanted lines.



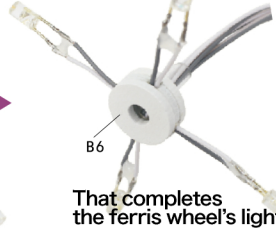
* Insert A9 into the core and have them be glued together.



* Glue each of the A4 sets into the four grooves of the core.

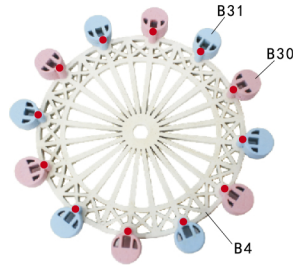


* Glue B6 over the top.

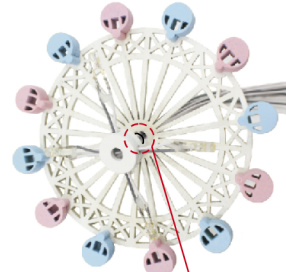


That completes the ferris wheel's lights

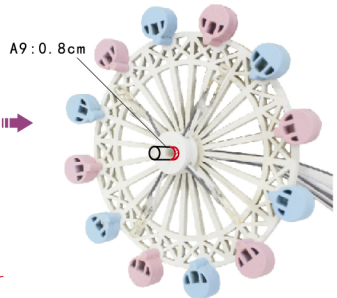
* Glue B30 and B31 onto B4 as in the image. (Apply glue where the red dots are.)



* Insert the Ferris wheel lights in B4. Do not use glue when doing so.

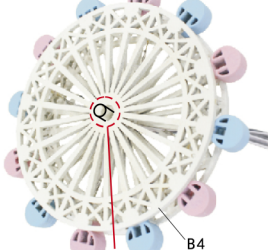


* Cut a piece of A9 and insert it in the hole at the center of the wheel's lights.

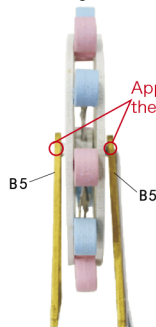


Note: Do not apply glue to the center or else the Ferris wheel won't spin.

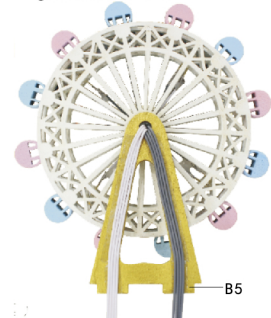
* Insert the other B4 piece into A9 while also having the B30 and B31 be glued to it. (Apply glue where the red dots are in the above image.)



* Insert and glue the B5 pieces into A9.

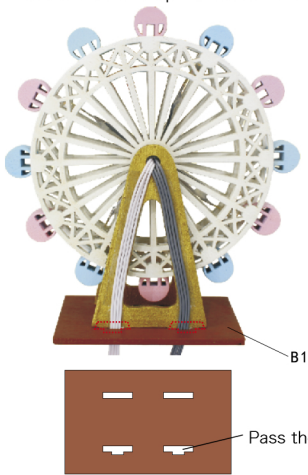


* Divide the A4 cords by color and glue them to B5.

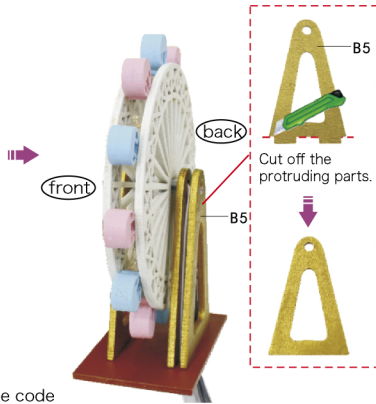


Note: Do not apply glue to the center or else the Ferris wheel won't spin.

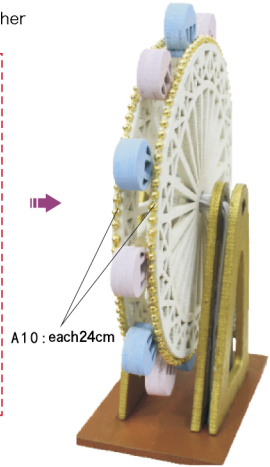
* Insert and glue B5 into B1 while being careful of the shape of the B1 holes.



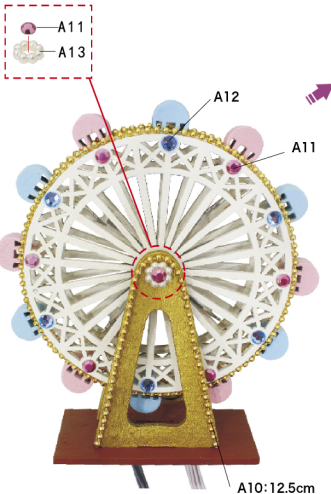
* Cut off the bottom protruding parts of the remaining B5 piece, and to hide the cords glue the cut B5 and the other B5 together.



* Cut off pieces of A10 and glue them around the two B4.



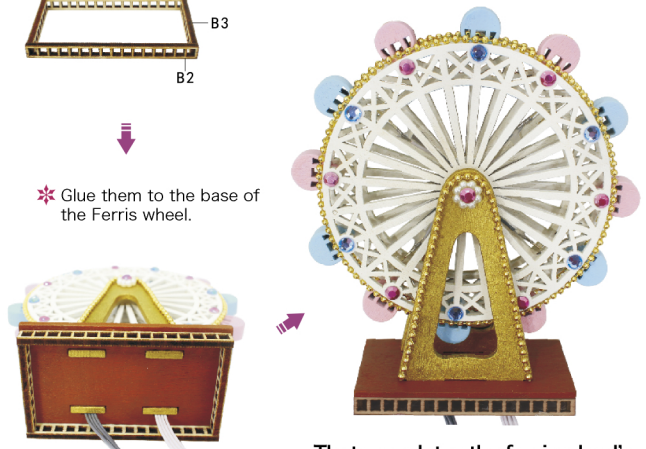
* Glue A11 and A12 to the front-side B4. Cut a piece of A10 and glue it around the B5. Glue A13 and A11 to the center part.



* Glue B2 and B3 together.



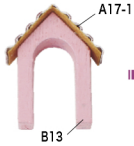
* Glue them to the base of the Ferris wheel.



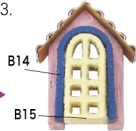
Restaurant

Doors (x2)

✂ Cut out A17 with the pattern paper, and glue together with B13.



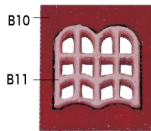
✂ Glue B14 and B15 to B13.



That completes the doors (x2).

Wall 1 (x2)

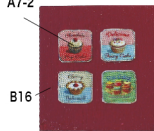
✂ Glue B11 into B10.



That completes the wall 1 (x2).

Wall 2

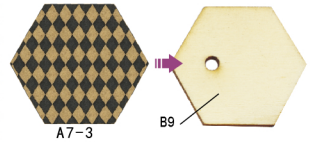
✂ Glue A7-2 onto B16.



That completes the wall 2.

Floor

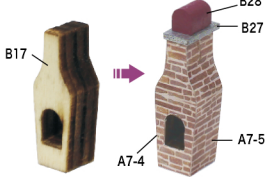
✂ Glue A7-3 onto B9. Make a hole in A7-3 to align with the hole in B9.



That completes the floor.

Chimney

✂ Glue A7-4, 5 onto B9. Also glue on B27 and B28.



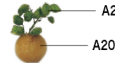
Signboard

✂ Glue A7-7 onto B34.

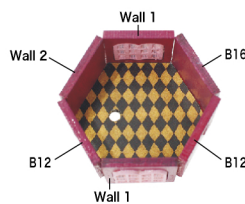


Pot plants

✂ Glue A21 onto A20.



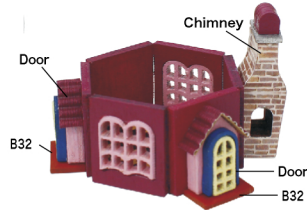
✂ Glue each of the parts to the sides of the floor.



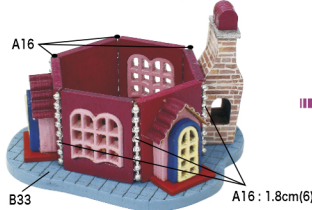
After gluing on



✂ Glue on each part.



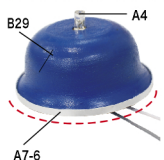
✂ Glue to B33 so that the holes align. Cut six pieces of A16 and glue on.



✂ Pass A4 through the hole and glue it in.

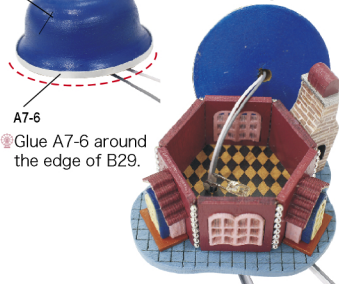


✂ Pass the second A4 through the hole of B29 and glue it in.



✂ Pass the A4 cord through the building's hole.

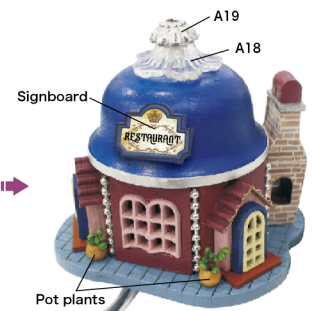
✂ Glue B29 to the building.



✂ Glue A7-6 around the edge of B29.



✂ Glue on each of the parts.

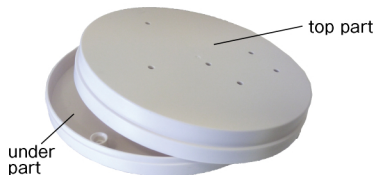


※The restaurant uses 2 cords the A4.

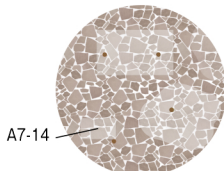
That completes the restaurant.

Preparing the pedestal

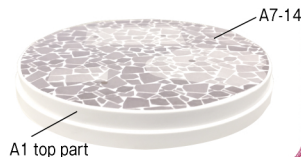
Use the top part of A1.



Cut out A7-14.

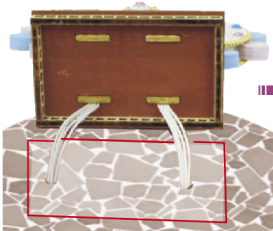


Glue A7-14 to the top part of A1 while being careful of the hole positions.



Pedestal Setting

Insert the cords coming out from under the Ferris wheel into the holes of A1.



Glue the Ferris wheel onto A1, aligning it with the designated position.



Glue A14 and A15 together. Make six of these poles.

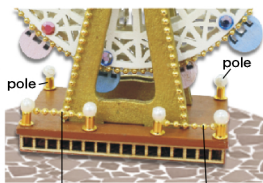


Cut off a piece of A10 and glue it between two poles. Make two sets.



A10 : 1.4cm

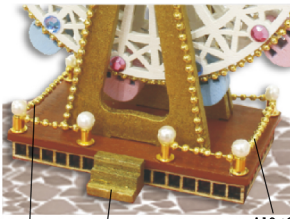
Glue the two connected sets and the remaining poles to the pedestal of the Ferris wheel.



connected set

connected set

Connect the remaining poles by gluing on cut pieces of A10. Glue B8 to the Ferris wheel.



A10 : 2.8cm

B8

[Back]

A10 : 2.8cm

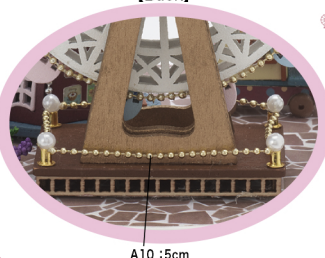
Insert the cord coming out from under the restaurant into the hole in A1.



Insert the cord coming out from under the kitchen van into the hole in A1.



Glue the restaurant onto A1, aligning it with the designated position.



A10 : 5cm

Glue the kitchen van onto A1, aligning it with the designated position.



Cupcake (x2)

- Chop up a part of A24 into fine pieces.
- Glue the A24 pieces to A25.



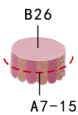
That completes the cupcake (x2).

Table

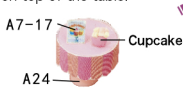
- Cut off a piece of A24.



- Wrap around and glue A7-15 to B26.



- Glue A24 to the bottom of B26. Glue A7-17 and a cupcake on top of the table.



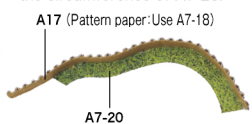
- Glue a cupcake to the kitchen van.
- Glue in the table and A7-16.



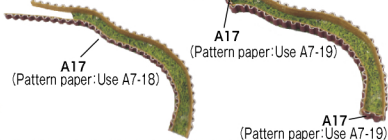
That completes the table.

Base of flower bed A

- Cut out A17 with the pattern paper. Glue A17 to the circumference of A7-20.

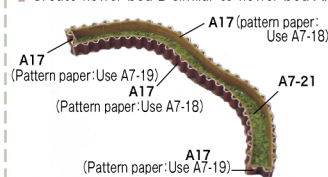


- Use some of the remainder of A17 for the edges and glue them to A7-20, then cut off the remaining parts that stick out.



Base of flower bed B

- Create flower bed B similar to flower bed A.

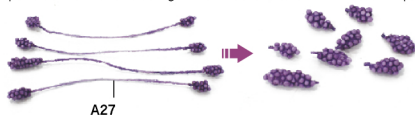


Flower beds A and B

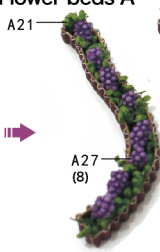
- Cut A21 finely.



- Cut off the flower parts of A27. There are eight A27 which will result in 16 flower parts.



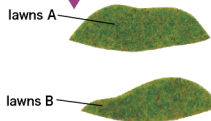
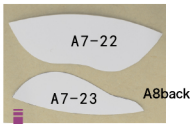
Flower beds A



Flower beds B



- Align the pattern papers on the back of A8 and cut out to create lawns A and B.



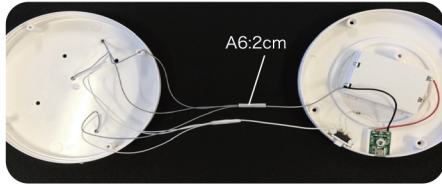
- Glue on each of the parts.



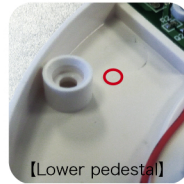
That completes the flower beds A and B.

Cord Wiring

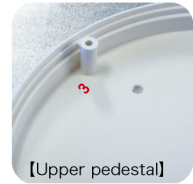
- ⊗ Gather together the A4 cords by color, and connect them to the A1 cords of the same color.
Cut off 2cm pieces of A6 to wrap around the connected areas.



- ⊗ Bring together the two pedestal parts so the screw hole of the lower pedestal with a circle sign matches the No. 3 screw hole of the upper pedestal. Fasten the screws in four places of the pedestal.



[Lower pedestal]

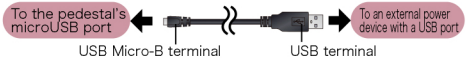


[Upper pedestal]



Power switch microUSB port (USB Micro-B)

- ⊗ Power switch please turn on/off with the power switch.
- ⊗ microUSB port (USB Micro-B)
Connect main unit and external power device with a USB port with microUSB cable. Input voltage /Current :DC5V/1-2.4A



Completed

- ⊗ Cover A2 and decorate.



- ⊗ Turn on the light and decorate.



Completed image



※This photo shows just one example of an arrangement feel free to customize as you wish. Please cover A2 and decorate.

Ferris wheel



Kitchen van

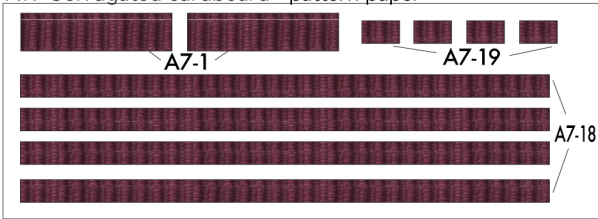


Restaurant



C pattern paper

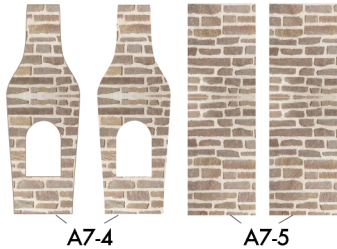
A17 Corrugated cardboard pattern paper



A7-2



A7-3



A7-7



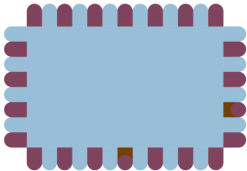
A7-8



A7-9



A7-10



A7-11



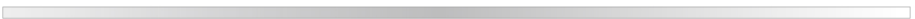
A7-12

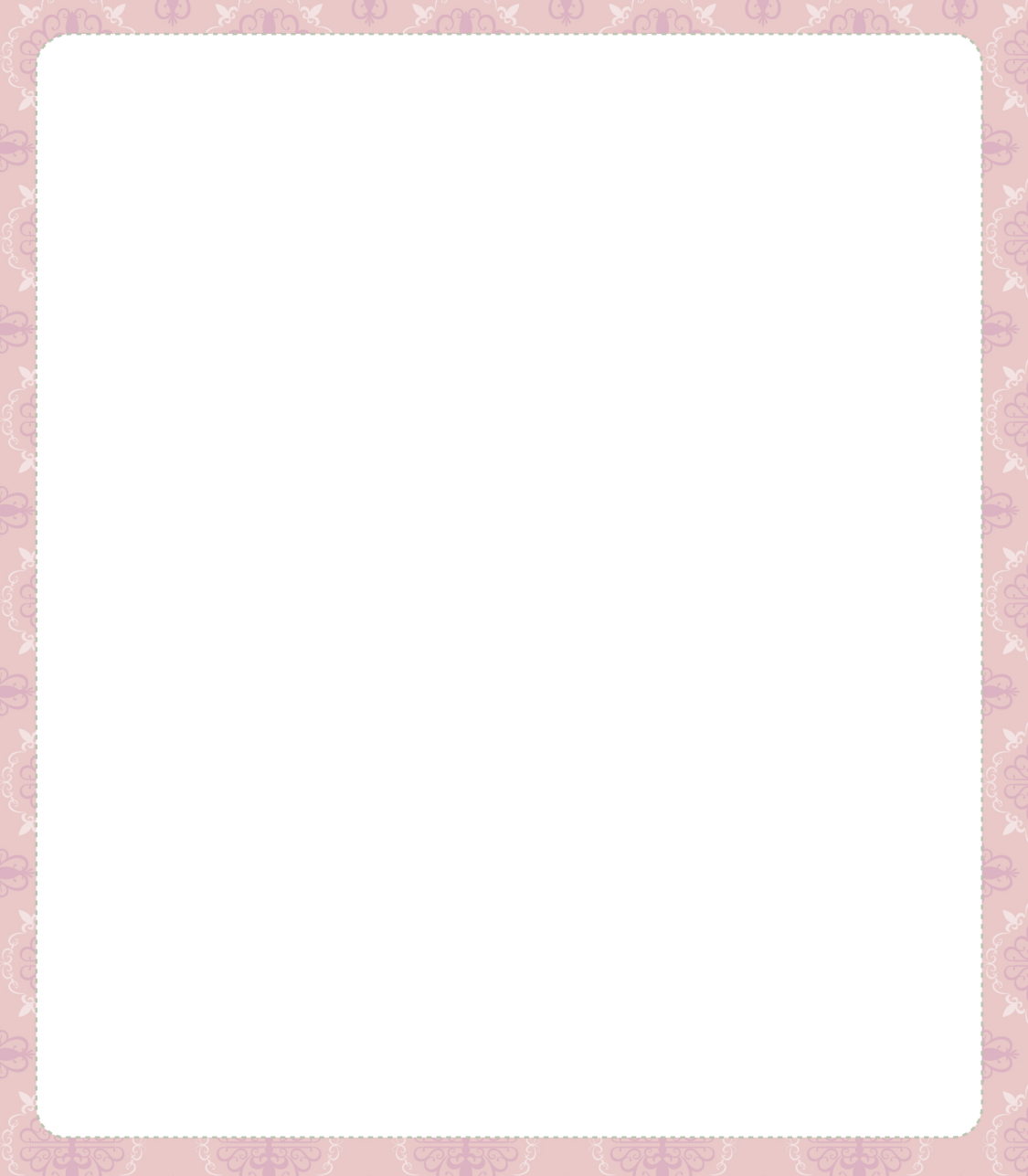


A7-13



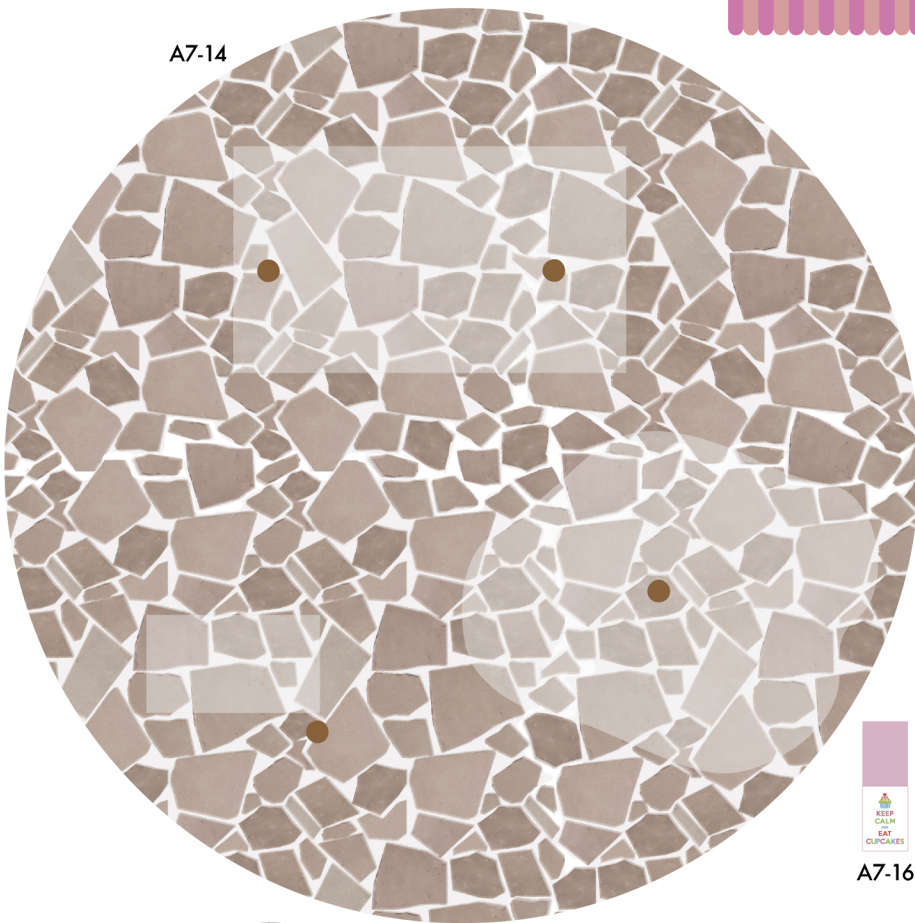
A7-6





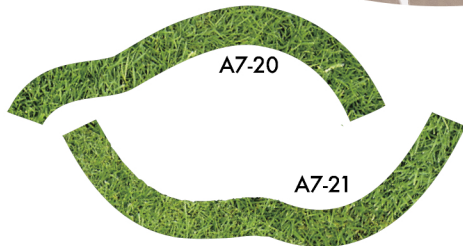
A7-14

A7-15



A7-17

A7-16

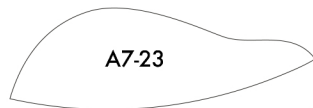


A7-20

A7-21



A7-22



A7-23

