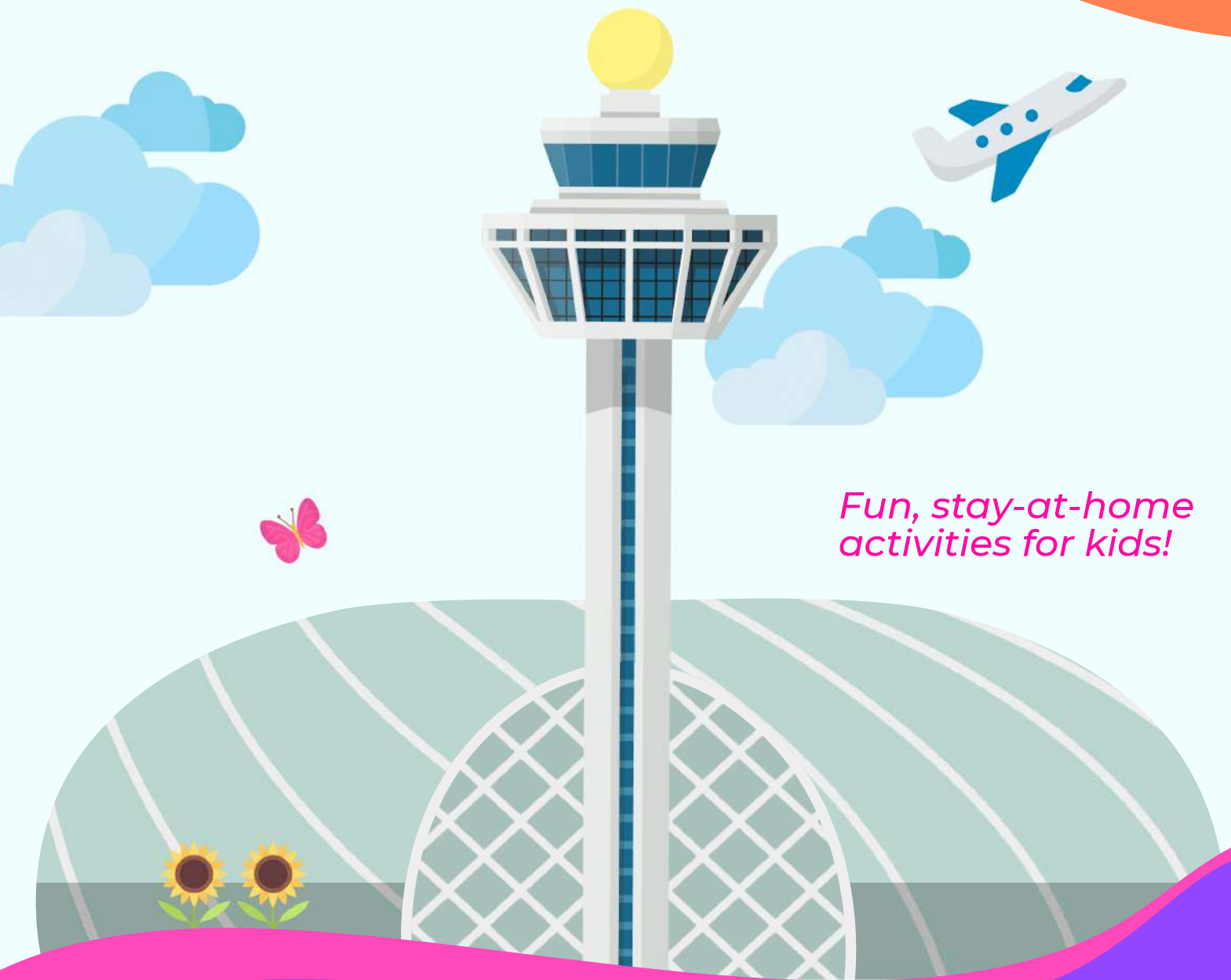


# CHANGI KIDS CLUB

## *Activity Book 2*



*Fun, stay-at-home  
activities for kids!*

*Name*

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# I SPY WITH MY LITTLE EYE

Find these Changi Icons!

Aircraft  
Trolley  
Luggage

Control tower  
Boarding Gate  
Passport

Plane Tickets  
Luggage belt



*Did you know?*

The ' Golf Ball ' of Changi's Control Tower is a structure that helps to protect the radar equipment inside of it.

It is a restricted area, so only the people working there can be allowed in.



# DOODLE WITH CHANGI

Draw things that can be found in Changi Airport!



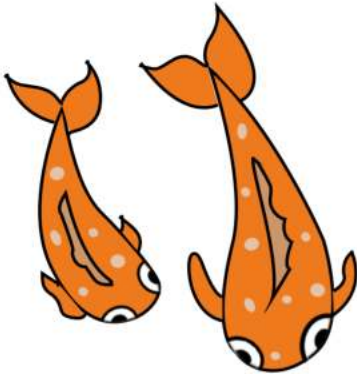
### Did you know?

Our koi fish in Terminal 3 have a typical life span ranging from 30 to 60 years.

The oldest koi fish in the world was from Japan, named Hanako. She was 226 years old - that's older than any human being has ever lived!

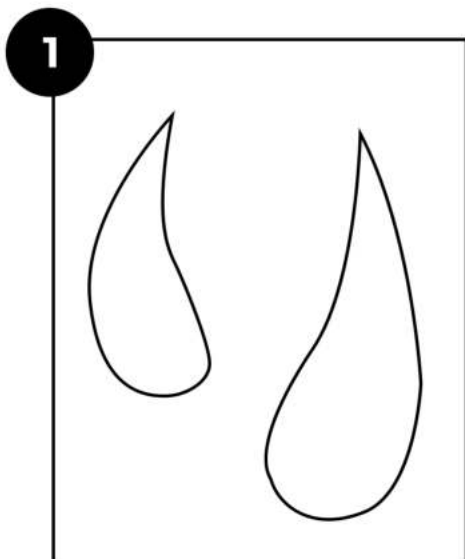


Terminal 3 Transit

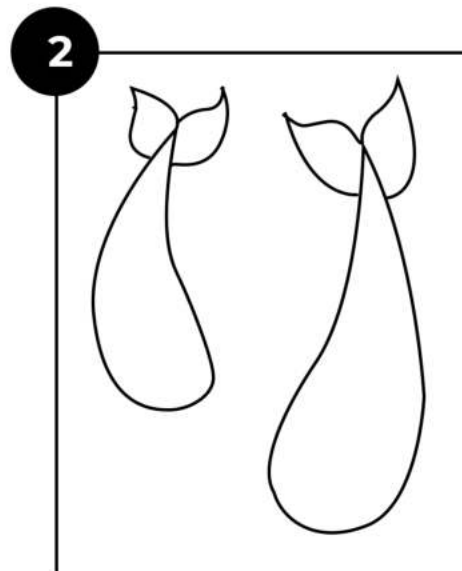


## DRAW YOUR OWN KOI FISH

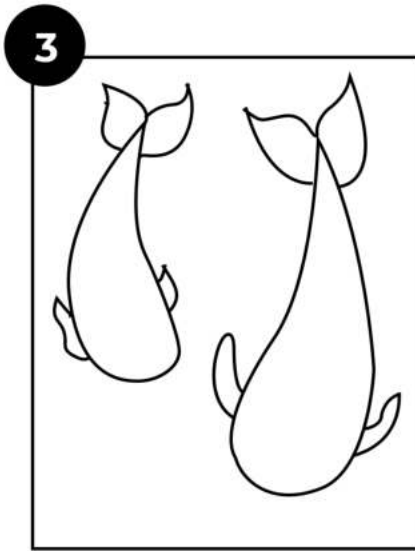
by following these steps!



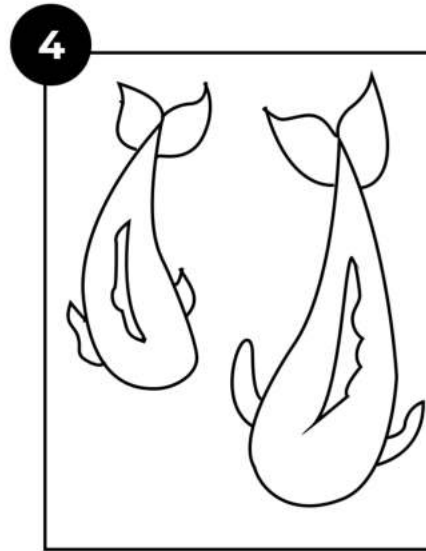
Draw the Koi's body



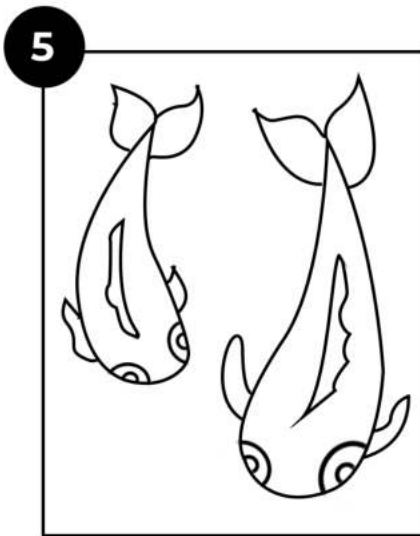
Draw the tail fins



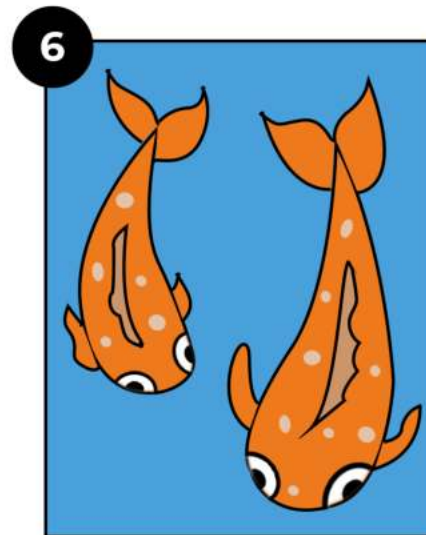
Draw the pelvic fins



Draw the dorsal fins



Draw eyes for your fishes!



Colour in your koi fish any way you like!

**Tail Fins**  
Helps the fish to move through water, pick up speed and make turns

**Pelvic Fins**  
Helps the fish to balance, prevents it from moving side to side

**Eyes**  
Fish have similar eyes to humans, with an extra film over their eyes that helps them to see underwater!

**Dorsal Fins**  
Helps the fish to make sudden turns and stops it from rolling



# DRAW YOUR OWN DAISY!



## Fun Fact:

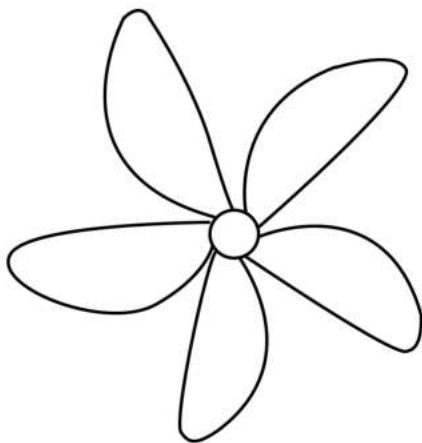
Daisy in Changi was specially painted in red and white to represent Singapore's national colours. It also turns when visitors walk past it.

The next time you are there, try walking near it and see if it responds to you!



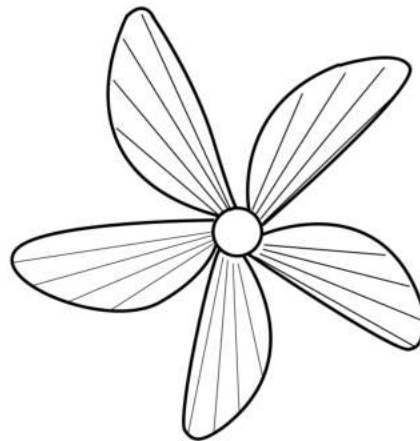
Terminal 3 Public

1



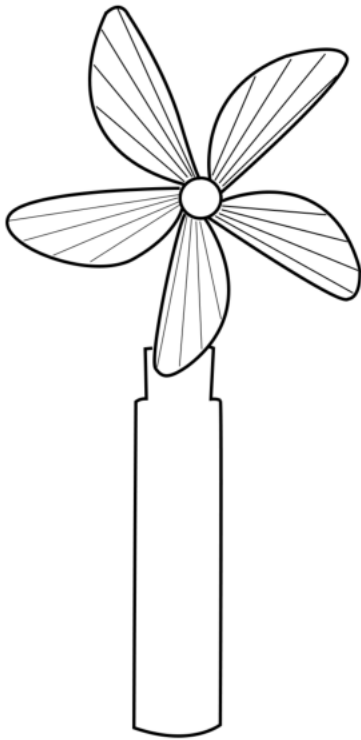
Draw the daisy by drawing a circle (*pistil*) and 5 semicircles (*petals*) around it

2



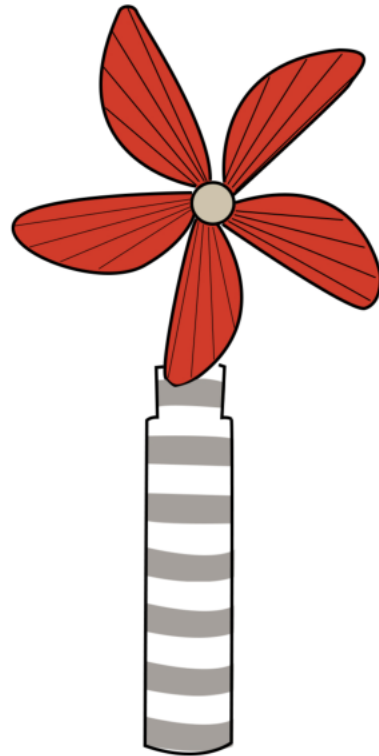
Add detail to your daisy with some lines (*petal veins*)

3



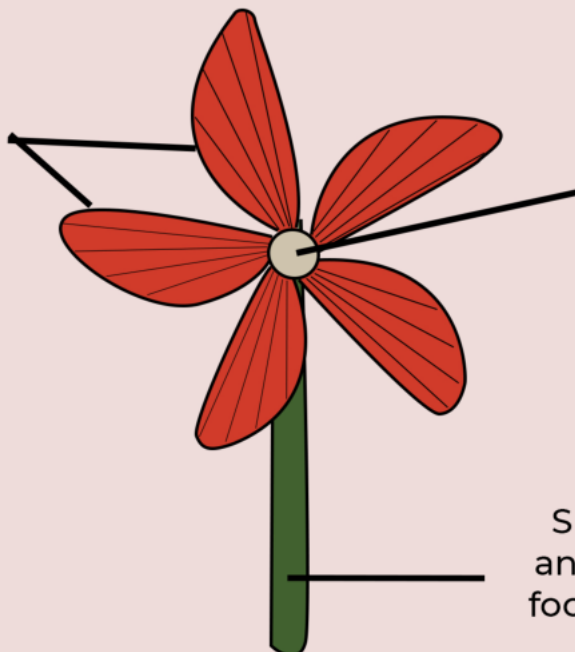
3. Give your daisy some support by drawing a pole below it

4



4. Colour and decorate your daisy structure however you like!

**Petal**  
Usually bright coloured to attract insects

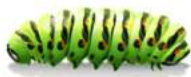
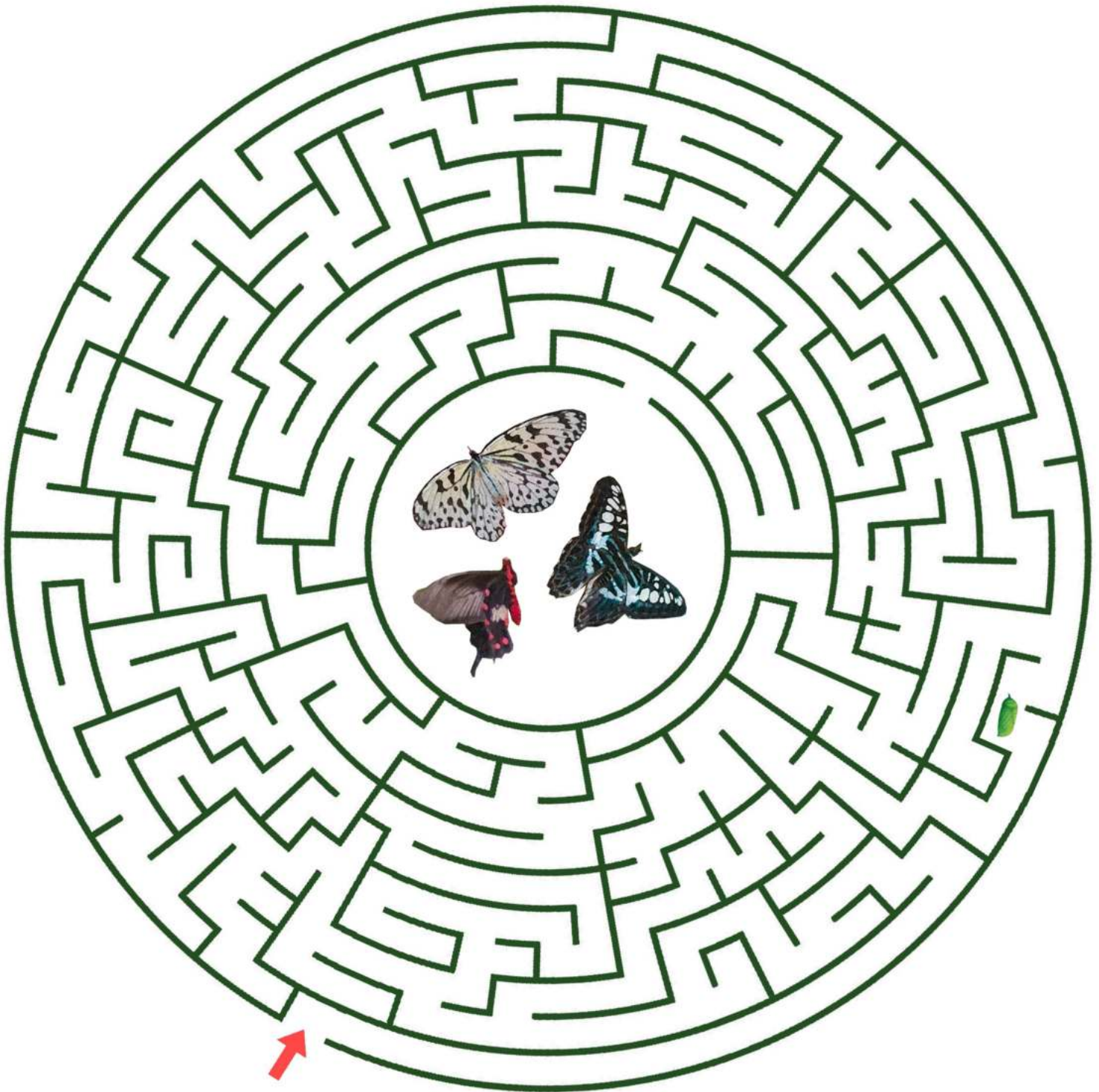


**Pistil**  
Contains the eggs (*ovules*) that allow a flower to reproduce

**Stem**  
Supports the flower and helps to transport food and water as well!

# MAZE GAME

Guide the caterpillar through the maze as it transforms into a beautiful butterfly!



**Hint:** The pupa is located at the halfway point of your journey. Keep going!



# MAZE GAME

## Life Cycle of a Butterfly



### Stage 1: Egg

A female butterfly will lay its eggs on the leaves or stems of a plant. Eggs come in all shapes and textures. Some are round, others are oval and some can even be cylindrical! These eggs will hatch into caterpillars in a few weeks.



### Stage 2: Caterpillar

When ready to hatch, the caterpillars eat their way out of the egg and start eating the leaves of a plant. During this stage, their skin is being shed four to five times, with the caterpillar growing each time!



### Stage 3: Pupa

Once fully grown, the caterpillar forms itself into a pupa. During this time, a hardened case forms around the pupa to protect it from predators and extreme weather conditions. And inside, the tissue, limbs and organs of the caterpillar transform into a butterfly.



### Stage 4: Butterfly

When the butterfly is ready to emerge, the case around the pupa splits open. But its wings are wet, soft and wrinkled against its body. Once the wings are dry, the butterfly pumps a liquid called hemolymph into them to become big and strong. And when fit for flight, the beautiful butterfly takes to the air!



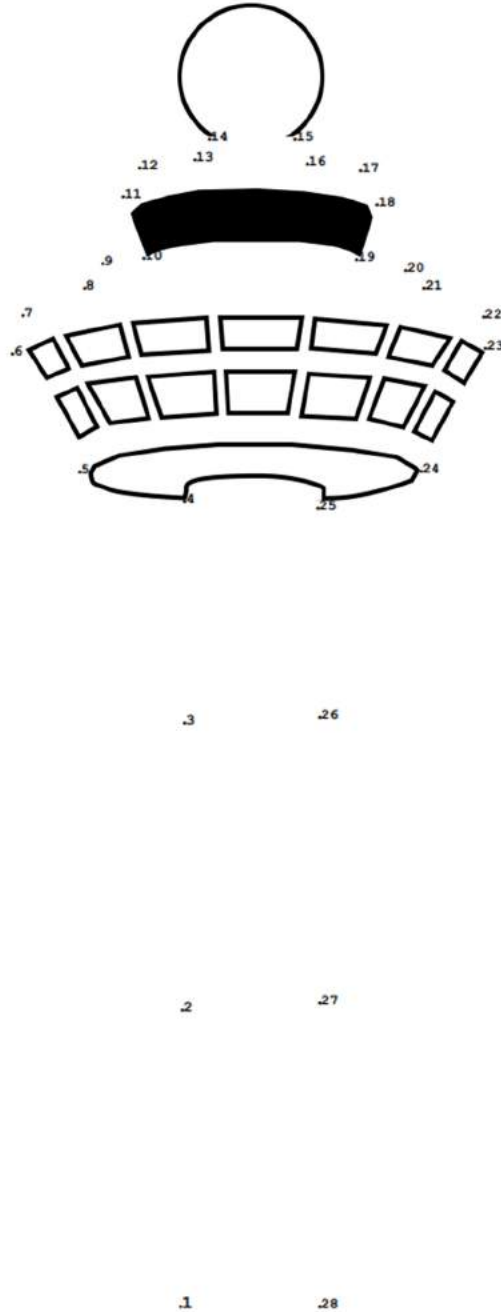
### DID YOU KNOW?

You can encounter over 1,000 tropical butterflies from as many as 40 species during the different seasons of the year at Changi Airport's Butterfly Garden!



# JOIN THE DOTS

Join the dots of things you can see in Changi!  
Can you guess what they are?

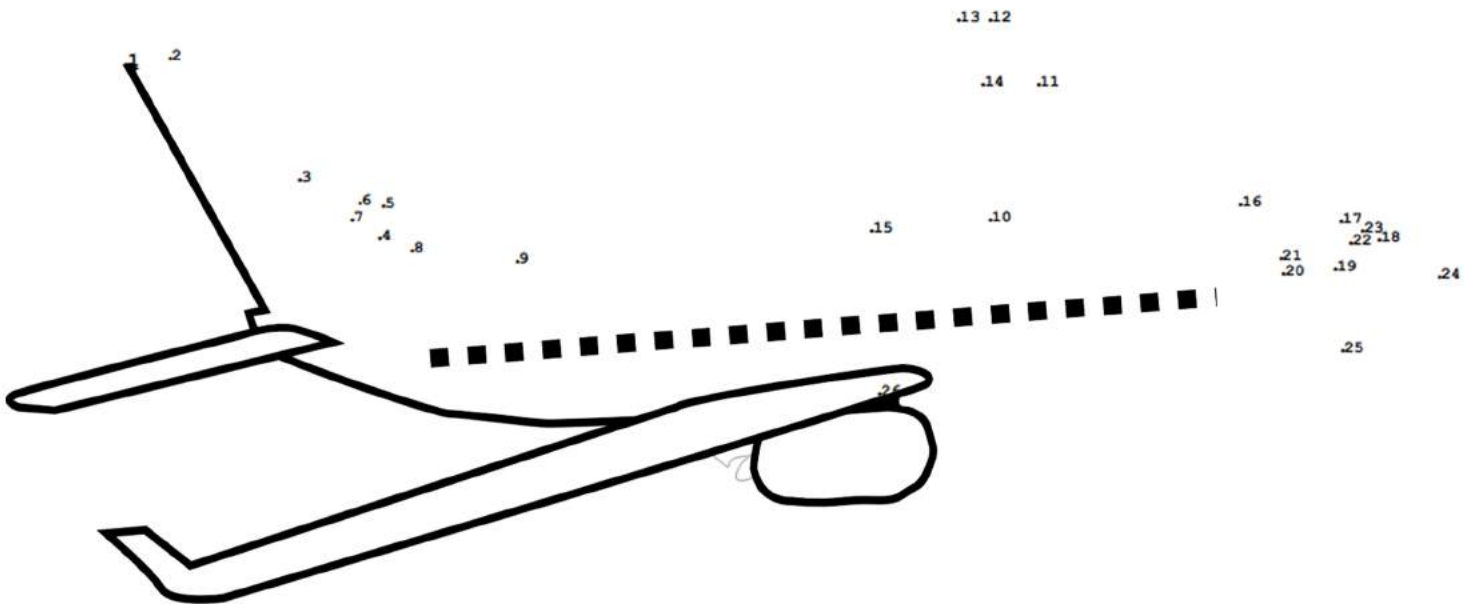


## Did you know?

Changi Airport's control tower has a team of Air Traffic Control officers that work 24 hours a day! They tell planes which runway to go for take-off and landing. Last year, there was a flight landing or taking off every 80 seconds. That's just a little over a minute!

# JOIN THE DOTS

Join the dots of things you can see in Changi!  
Can you guess what they are?



## Did you know?

Singapore witnessed its first plane landing in 1919 at an old race course in Farrer Park! 4 Australians landed in Singapore as part of a plane race from London, UK to Darwin, Australia. The Australian crew eventually won the race, taking 27 days and 20 hours. That's a lot longer than an indirect flight from London to Darwin via Singapore today, which takes less than 20 hours!

# EQUATION GAMES

Solve the equations

1)

$$\text{Orchid} + \text{Orchid} + \text{Orchid} = 90$$

$$\text{Orchid} + \text{Sunflower} + \text{Sunflower} = 230$$

$$\text{Lotus} + \text{Sunflower} + \text{Orchid} = 210$$

$$\text{Sunflower} - \text{Orchid} + \text{Lotus} = ?$$

2)

$$\text{Daisy} + \text{Daisy} = 36$$

$$\text{Daisy} + \text{Daisy} + \text{Lotus} = 60$$

$$\text{Cactus} + \text{Cactus} + \text{Lotus} = 57$$

$$\text{Daisy} + \text{Lotus} - \text{Cactus} = ?$$

# EQUATION GAMES

## Brain Teaser

3)



- a) daisy, cactus, orchid, lotus, sunflower
- b) cactus, lotus, daisy, sunflower, orchid
- c) cactus, daisy, lotus, sunflower, orchid
- d) sunflower, cactus, lotus, orchid, daisy
- e) lotus, cactus, daisy, sunflower, orchid
- f) daisy, lotus, sunflower, cactus, orchid

# EQUATION GAMES

## Fun facts about plants



***Did you know?***

Water lilies create shade and protection for fish in landscape ponds.



***Did you know?***

Daisies are found everywhere on Earth except Antarctica.



***Did you know?***

Changi Airport has our very own orchid called "Changi Airport Orchid" It was named after Changi Airport in May 1997 to commemorate the opening of the Orchid Garden in Terminal 2.



***Did you know?***

The average lifespan of a cactus plant is between 10 to 200 years.



***Did you know?***

Sunflower is the only flower with *flower* in its name!

# DIY RAIN VORTEX AT HOME

Make this colourful rain vortex & impress your friends!



## Did you know?

Jewel's HSBC Rain Vortex is the world's tallest indoor waterfall at 40 metres high!

## Materials you will need:

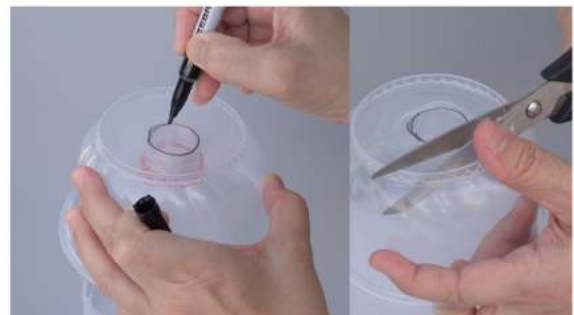
2 large plastic bottles  
Waterproof tape  
Hole puncher  
Permanent marker  
Small plastic container  
(optional) food colouring & glitter

## A STEP BY STEP GUIDE

Head over to <https://bit.ly/changidiyRV> or scan this QR code for the full instructional video



1. Remove labels from both bottles



2. Place the small plastic container at the mouth of the first bottle. Draw a circle and cut it out



3. Draw a pea-sized circle in the middle and punch it out



4. Place the circle at the mouth of one bottle and tape it up, leaving the hole visible



5. Fill  $\frac{3}{4}$  of the second bottle with water (optional: add food colouring and glitter to the water)



6. Secure both bottles together with tape



7. Flip the structure, with the water in the bottle on top, and swirl it. Tada, your rain vortex is complete!



8. Decorate your vortex with materials you can find at home



# SPACEMAN

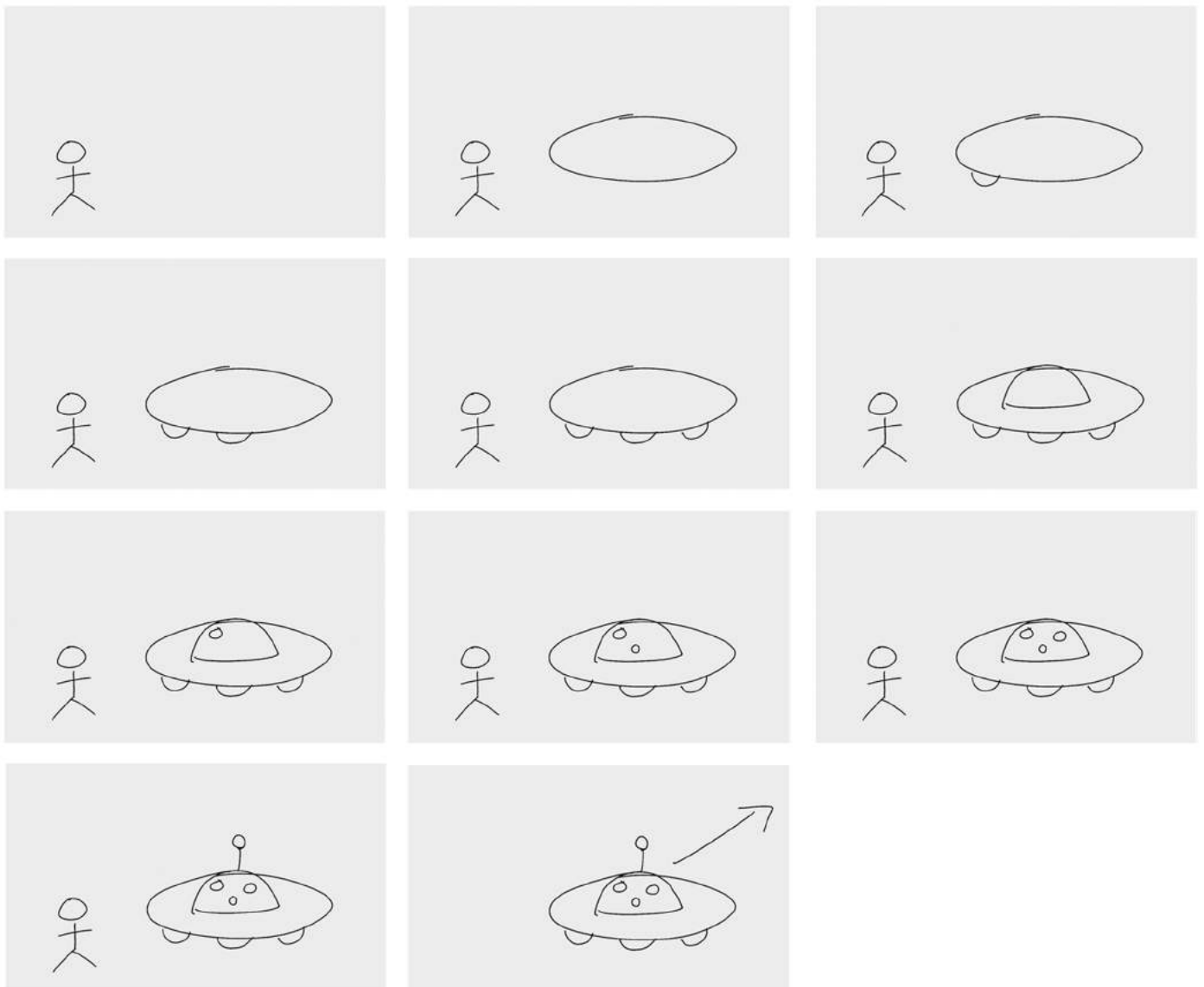
Guess the word before the spaceman is drawn!

## *Instructions*

1. One person will pick a word from the next page and tell the other person how many letters it has.
2. The other person has to guess what the word is by guessing one letter at a time.
2. Draw one stroke of the spaceman on a whiteboard or paper everytime a wrong letter is chosen!

*Clue: They can all be found in Changi Airport!*

## *How to draw the Spaceman*



# SPACEMAN

## Guessing words

### Flying

**Aeroplane** (9 letters)

**Air Stewardess**  
(3 and 10 letters)

**Carpark** (7 letters)

**Luggage** (7 letters)

**Pilot** (5 letters)

**Runway** (6 letters)

### Flowers

**Bougainvillea** (13 letters)

**Cactus** (6 letters)

**Daisy** (5 letters)

**Garden** (6 letters)

**Lily** (4 letters)

**Orchid** (6 letters)

### Changi

**Jewel** (5 letters)

**Maze** (4 letters)

**Playground** (10 letters)

**Restaurant** (10 letters)

**Skytrain** (8 letters)

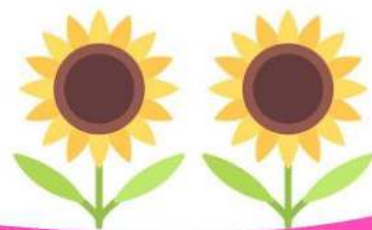
**Slide** (5 letters)

**Supermarket** (11 letters)

**Trolley** (7 letters)

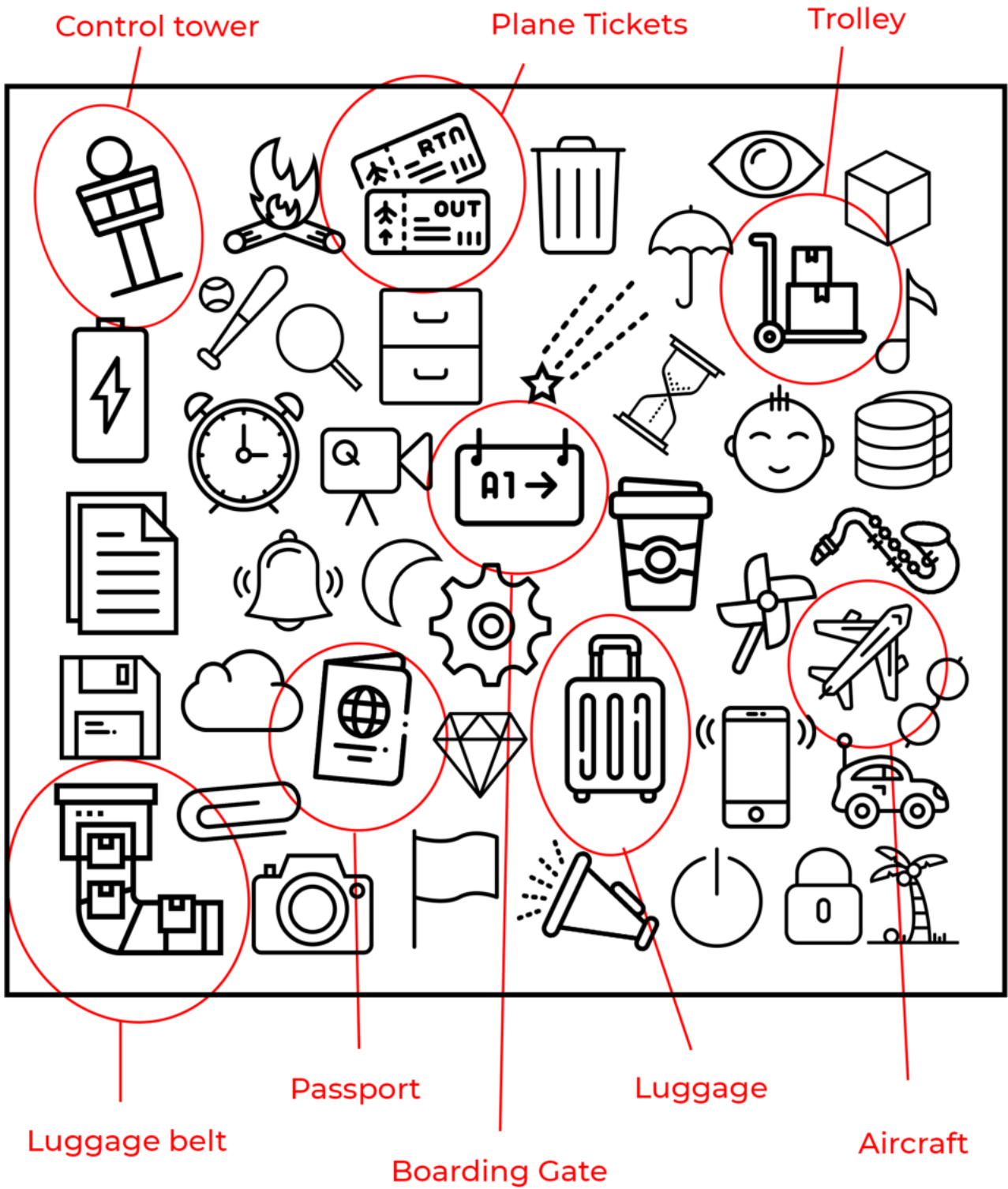


# ANSWERS



# I SPY WITH MY LITTLE EYE

## Answer Key



# MAZE GAME

Answer Key



# EQUATION GAMES

## Answer Key

1)

$$\text{Orchid} + \text{Orchid} + \text{Orchid} = 90$$

value of one Orchid is  $90 \div 3 = 30$

$$\text{Orchid} + 2 \times \text{Sunflower} + 2 \times \text{Sunflower} = 230$$

value of one Sunflower is  $(230 - 30) \div 4 = 50$

$$\text{Water Lily} + 2 \times \text{Sunflower} + \text{Orchid} = 210$$

value of one Water Lily is  $210 - (50 \times 2) - 30 = 80$

$$50 - 30 + 80 = 100$$

2)

$$2 \times \text{Daisy} = 36$$

value of one Daisy is  $36 \div 2 = 18$

$$\text{Daisy} + \text{Daisy} + 2 \times \text{Water Lily} = 60$$

value of one Water Lily is  $(60 - 36) \div 2 = 12$

$$2 \times \text{Cactus} + \text{Cactus} + \text{Water Lily} = 57$$

value of one Cactus is  $(57 - 12) \div 3 = 15$

$$36 + 24 - 15 = 45$$

# EQUATION GAMES

## Answer Key

3)

