

Tasks T1 – T7 carry 3 points each

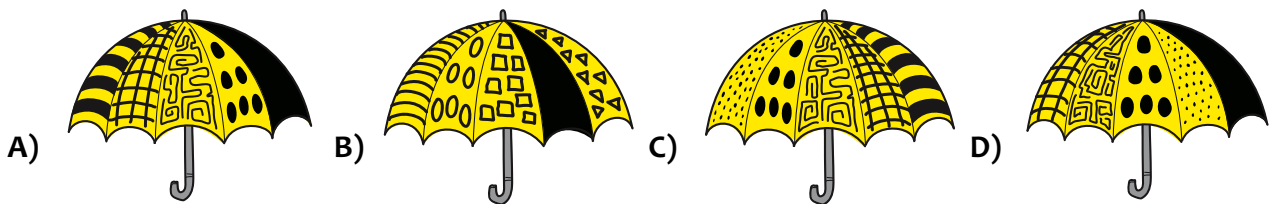
T1. Umbrella

This is Anna's umbrella:



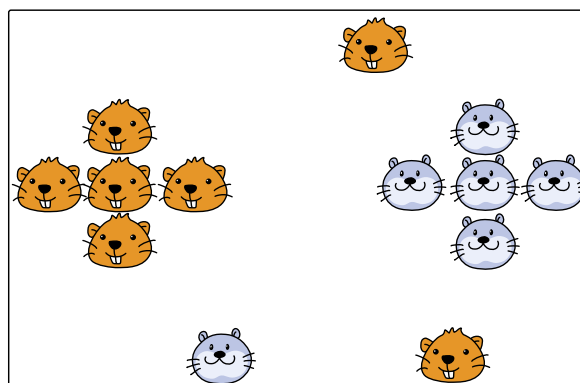
Question / Challenge

One of the four images shows Anna's umbrella. Which one?



T2. The Beavers and the Otters

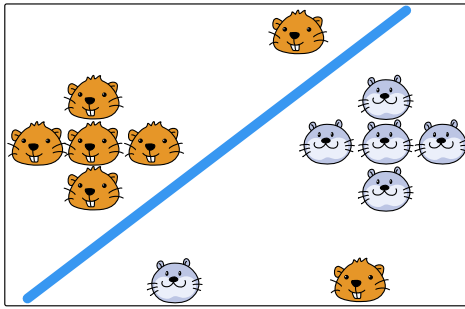
Beavers  and otters  wanted to divide their living area.



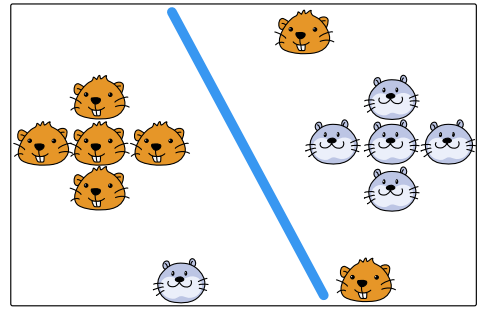
Question / Challenge

Which division resulted in the least number of beavers and otters to move?

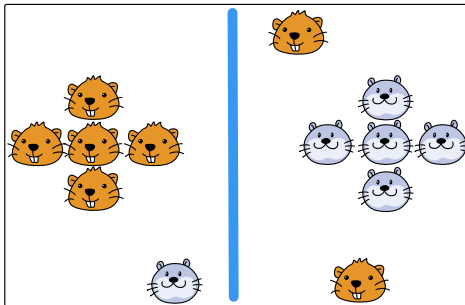
A)



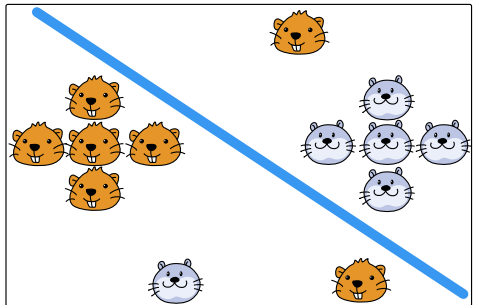
C)



B)



D)



T3. Eco-friendly Beaver

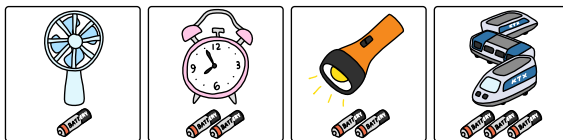
Many things require batteries.

Beaver Ann wants to use four toys with her friends. To save energy, she wants to use a maximum of 8 batteries.

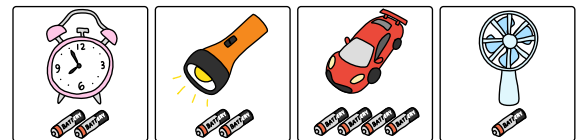
Question / Challenge

What are the four toys that can be used with a maximum of 8 batteries?

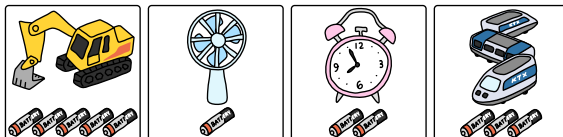
A)



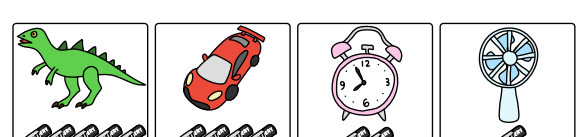
C)



B)

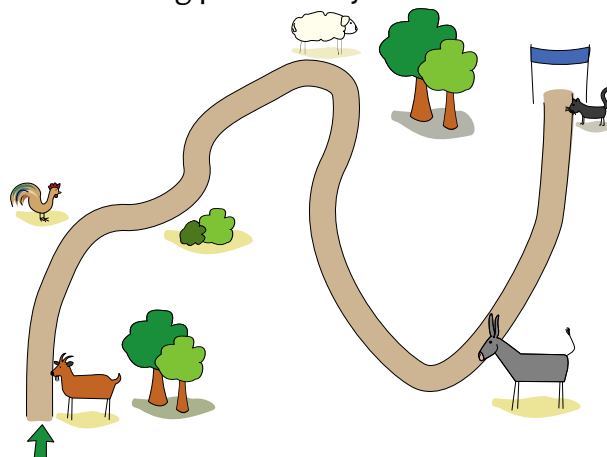


D)



T4. Farm

Little Marko was on a farm trip with his grandparents. As they walked, they saw different animals. Grandpa drew their walking path exactly.



Question / Challenge

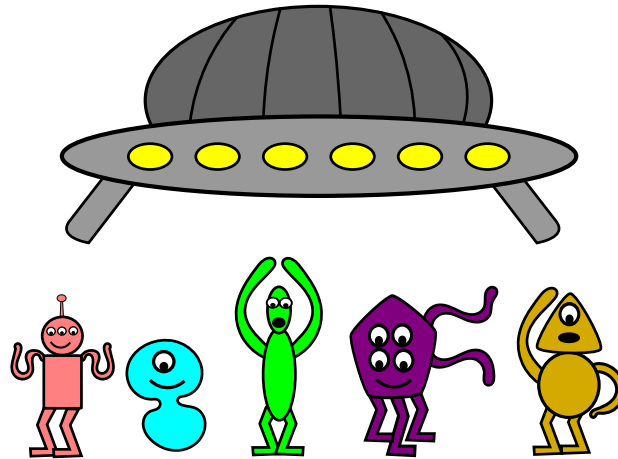
Which of the sentences about their walk is **false**?

- A) They saw the cat last. B) They saw a goat first.
C) They saw a donkey as the second animal. D) After they saw the rooster, they saw the sheep.

T5. Friendly Aliens

Alice spots a spaceship that has dropped off five friendly aliens. She wants to count how many look similar to a human. She counts an alien if they have:

- two arms
- two legs



Question / Challenge

How many aliens would Alice count?

- A) 1 B) 2 C) 3 D) 4

T6. Carnival masks

A mask-making machine uses different eyes and mouths to create new combinations. Examples of some of the masks created are shown in the following table:

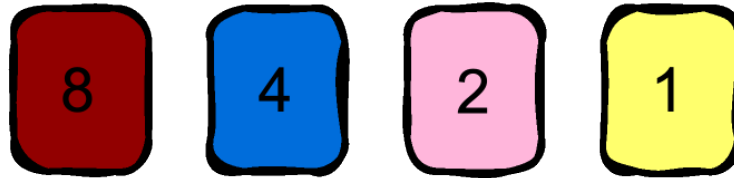
Question / Challenge

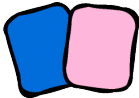
Which mask will be created in the blue square?

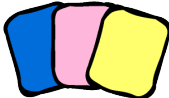
- A)  B)  C)  D) 

T7. Coded Ages

Zita shows Silat how to use the cards below to tell their ages.

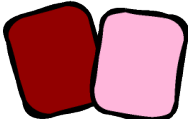
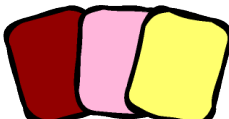
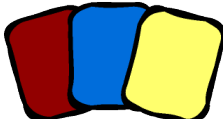


Zita is 6, so she uses the cards  ($4 + 2 = 6$).

Silat is 7, so he uses the cards  ($4 + 2 + 1 = 7$).

Question / Challenge

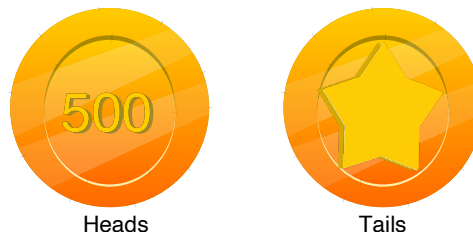
Big sister Kali is 9. What cards will she use?

- A)  B)  C)  D) 

Tasks T8 – T14 carry 4 points each

T8. Coin Toss

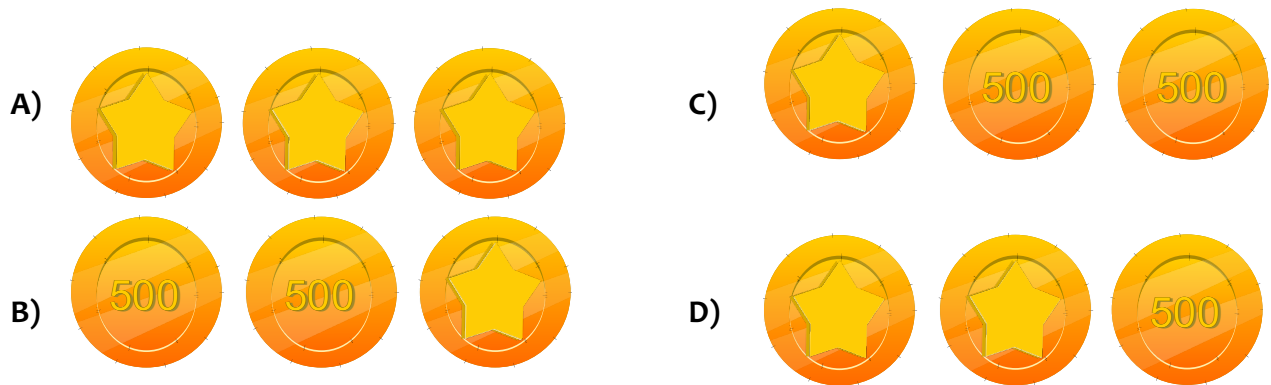
Delia tosses a coin. She observes that it comes up either heads or tails as the result.



She then tosses three coins, one at a time. On the first coin, she gets a tail. On the second coin, she gets the same result as the first coin. When she tosses the third coin, she gets a different result than the second coin.

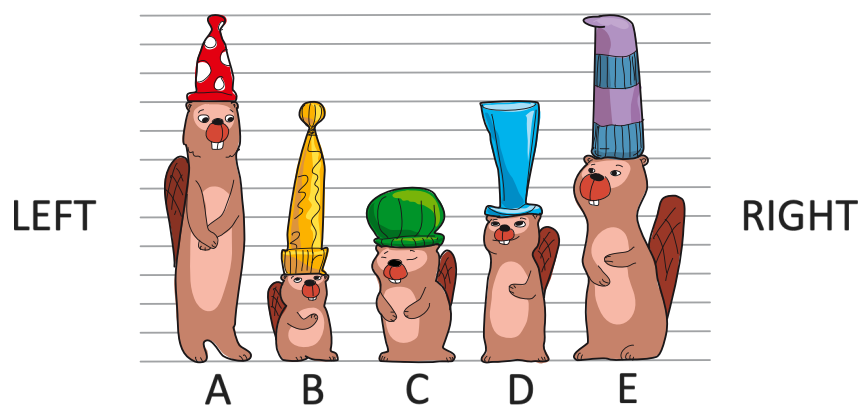
Question / Challenge

What would be the result if Delia tossed the first, second, and third coins in that order?



T9. Sort the beavers by hats

Sort the beavers in ascending order according to their hats' heights.



Question / Challenge

In what sequence will the beavers stand if they are arranged in a way that beavers to the right have taller hats than beavers to the left?

A) CADEB

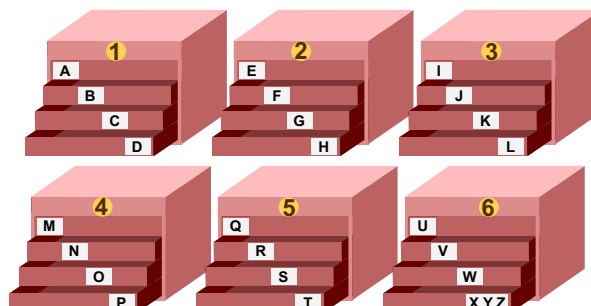
B) BEDAC

C) CAEDB

D) EBDAC

T10. Pet Clinic

David is a veterinarian who stores notes about the pets in six cabinets. Each drawer is labeled with a letter. David organizes all notes in the drawers according to the first letter of the pet's name.



Question / Challenge

Which association of the number of the **cabinet** with pet card is correct?

A)



name: William
animal: hamster
owner: Judith
age: 3

1



age: 1
animal: cat
name: Simba
owner: Miller family

3



animal: German Shepherd
owner: William
name: Leo
age: 6

4



owner: Sophie Jack
age: 2
animal: mouse
name: Cindy

6

B)



name: William
animal: hamster
owner: Judith
age: 3

6



age: 1
animal: cat
name: Simba
owner: Miller family

5



animal: German Shepherd
owner: William
name: Leo
age: 6

3



owner: Sophie Jack
age: 2
animal: mouse
name: Cindy

1

C)



name: William
animal: hamster
owner: Judith
age: 3

6



age: 1
animal: cat
name: Simba
owner: Miller family

4



animal: German Shepherd
owner: William
name: Leo
age: 6

1



owner: Sophie Jack
age: 2
animal: mouse
name: Cindy

5

D)



name: William
animal: hamster
owner: Judith
age: 3

6



age: 1
animal: cat
name: Simba
owner: Miller family

3



animal: German Shepherd
owner: William
name: Leo
age: 6

2



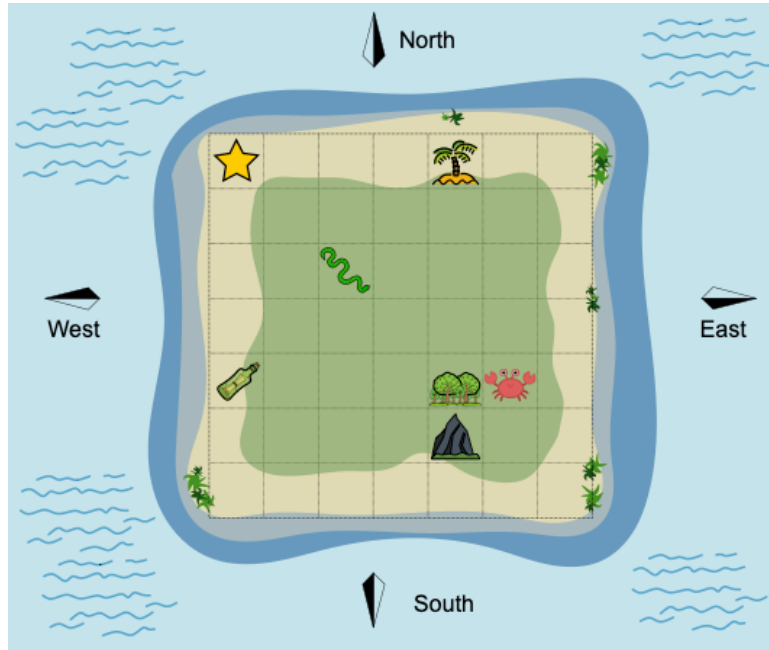
owner: Sophie Jack
age: 2
animal: mouse
name: Cindy

5

T11. Hidden treasure

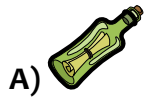
A group of archaeologists is looking for a very special treasure. They found a map and instructions how to find it.

Start	
Go 4 squares to South	
Go 4 squares to East	
Go 1 square to South	



Question / Challenge

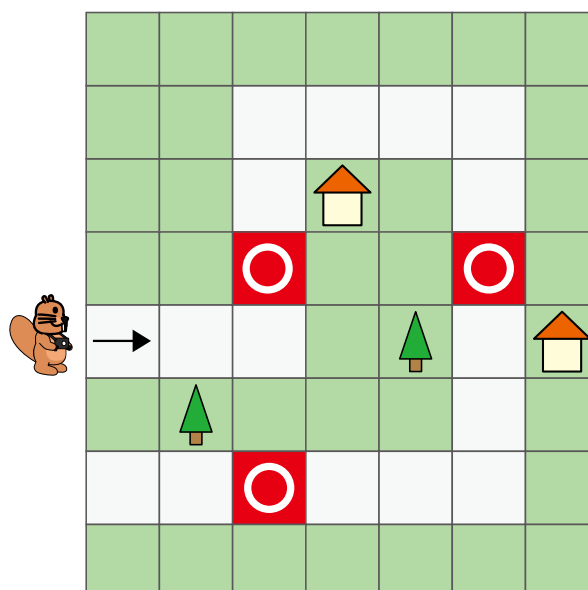
Where is the hidden treasure?



T12. Walking Logs

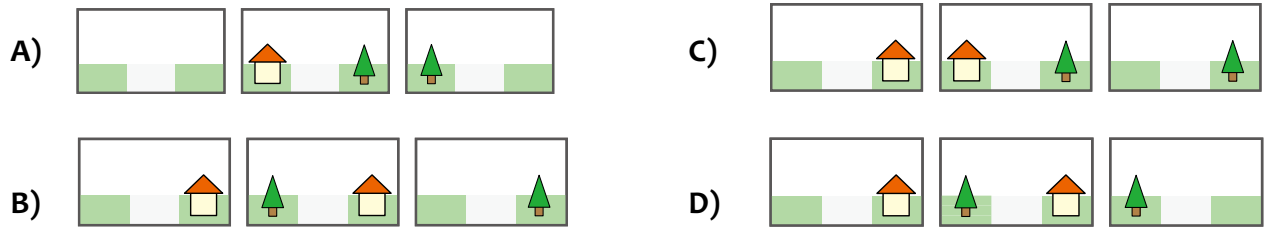
A beaver goes for a walk along the same path every day. One day the beaver took a camera on their walk and stopped to take 3 photographs of the path ahead. Each photograph shows the square directly in front of the beaver, and the objects to either side of that square.

This map shows the path that the beaver walks along. The beaver starts on the square marked with an arrow, moving in the direction indicated until they reach the end of the path. The places that the beaver took photographs are marked on the map with a white circle.



Question / Challenge

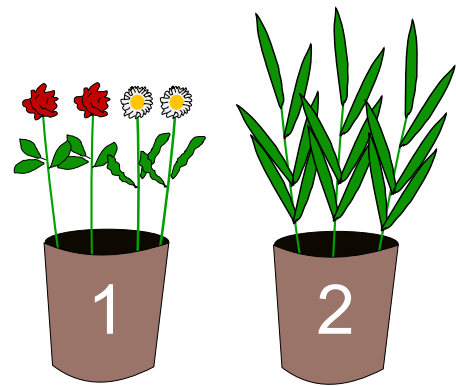
What are the 3 photographs that were taken by the beaver?



T13. Flowershop

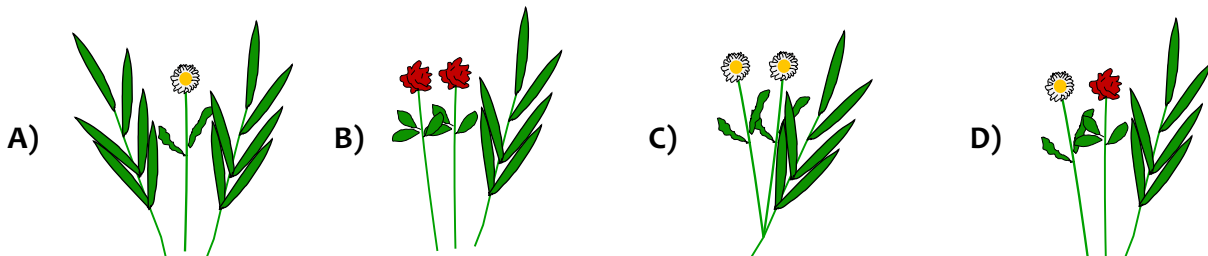
The flower shop sells bouquets that are composed in only three steps:

1. Pick a flower from the first bucket.
2. If the flower is a daisy , pick another daisy.
3. Pick at least one branch from the second bucket to complete the bouquet.



Question / Challenge

Which of the following bouquets can be done respecting the three steps mentioned above?

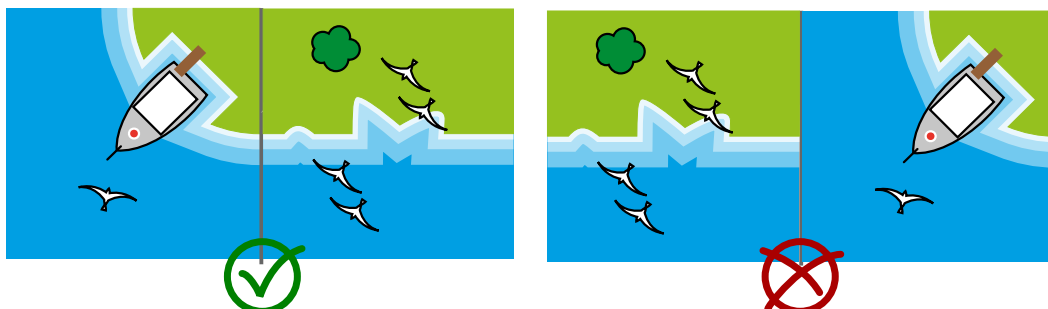


T14. Tile Land

Edu has a new game: Tile Land. It has tiles that show areas of water and land.

Using the tiles, Edu can form landscapes. Neighbouring tiles must *match*: where tiles touch each other, land must touch land and water must touch water.

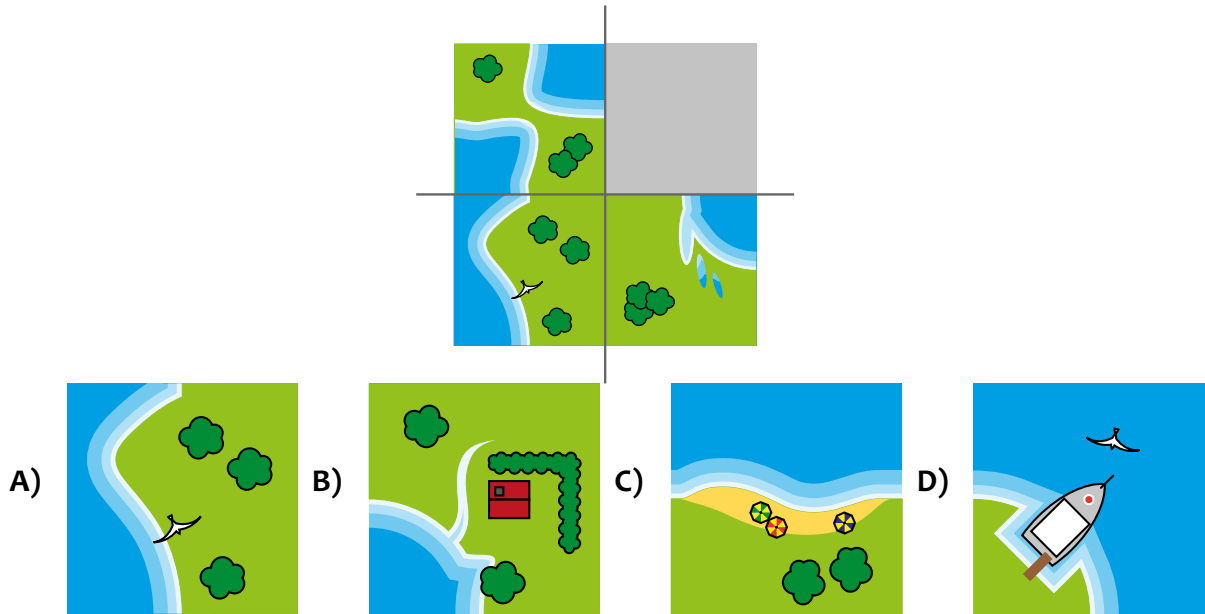
For example, two tiles may be aligned like on the left, but not like on the right:



Now, Edu placed three tiles like below, with a gap for one more tile.

Question / Challenge

Which of the following tiles is the matching tile for the gap, in the top-right?



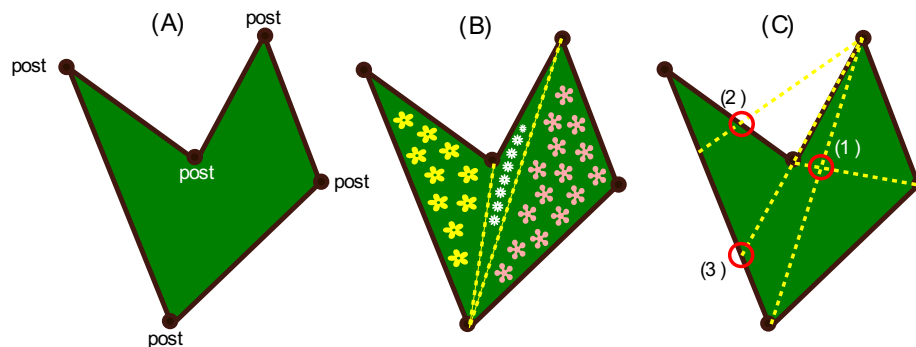
Tasks T15 – T21 carry 5 points each

T15. Flower Garden

Beaver Bevy has a garden. The garden has a fence with fence posts. See picture A.

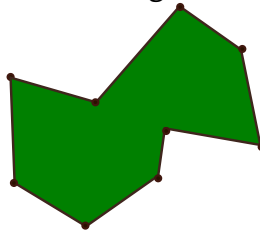
Bevy has some rules for the garden:

- The fields can only be triangles. (see picture B)
- The rope cannot cross another rope. (see picture C-1)
- The rope cannot cross the fence. (see picture C-2)
- The rope must be attached to a post on each side. (see picture C-3)

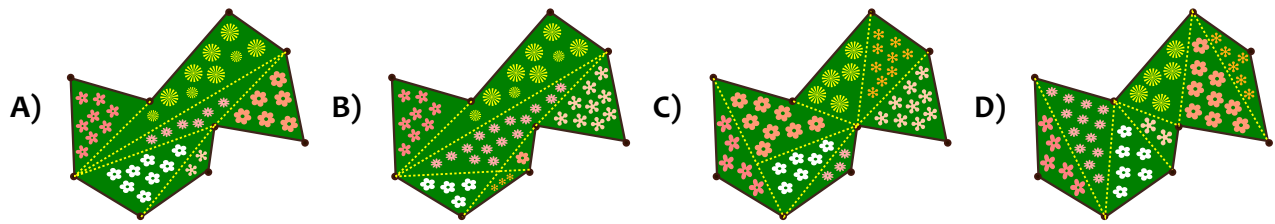


Question / Challenge

Bevy wants to plant 7 different flowers in this garden.

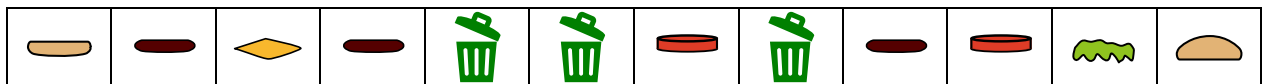


Which of the gardens below can Bevy make?



T16. Hamburger Shop

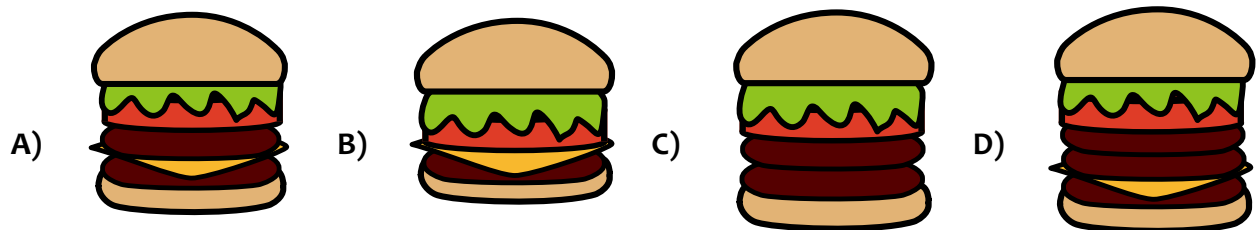
Masahiro wanted to make a tasty hamburger for his mom and tried an experiment. Yuki observed him and recorded the order in which Masahiro added and took away items. Here is what she noted down:



The picture  means that Masahiro took away one item from the top of the hamburger.

Question / Challenge

Which of the following hamburgers did Masahiro make?



T17. Maze game

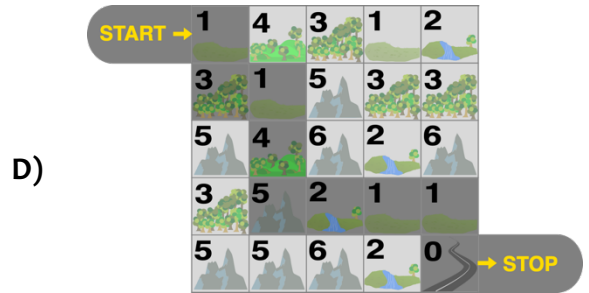
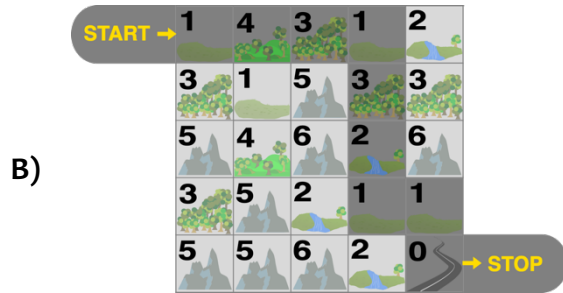
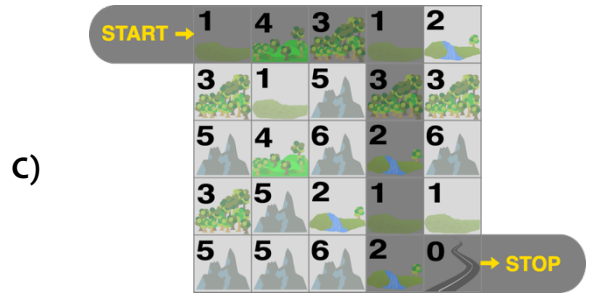
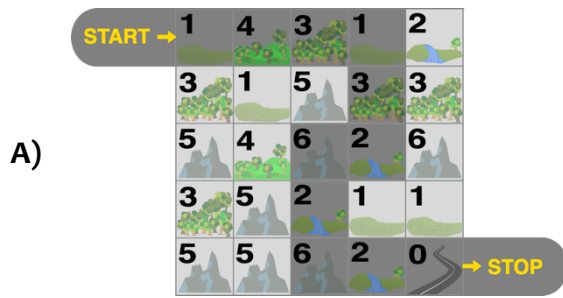
A beaver is playing a board game. The game is played on terrain divided into squares. Numbers in each square show how much energy the beaver uses when it is in the square. This includes energy used in the upper left square where the beaver starts and energy used in the bottom right square where the beaver ends. The beaver can only move down and right.

Question / Challenge

Which path from START to STOP requires the least amount of energy?

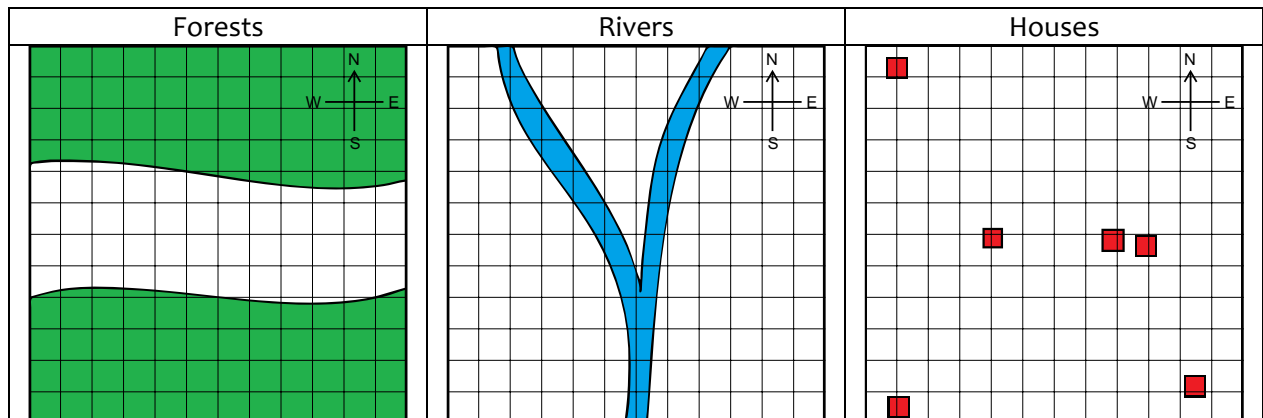


Time Allowed: 120 minutes



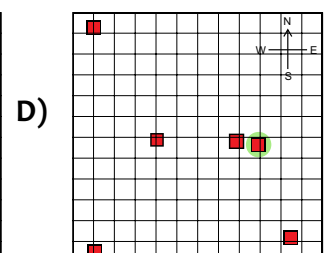
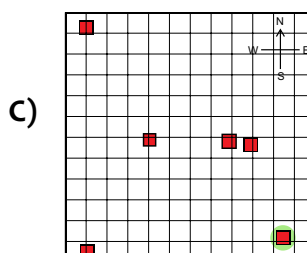
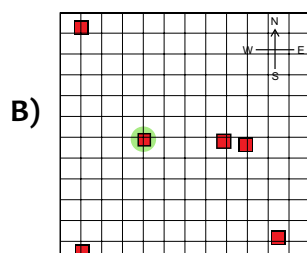
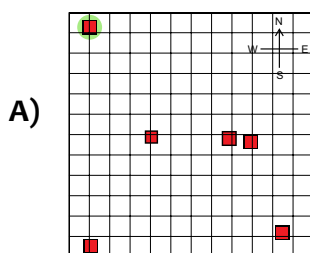
T18. Karla's Dream House

Karla has three maps that all show exactly the same area. One map shows the forests, one shows the rivers, and one shows the houses. Karla's dream house is in the forest and close to the riverbank.



Question / Challenge

Which is Karla's dream house?



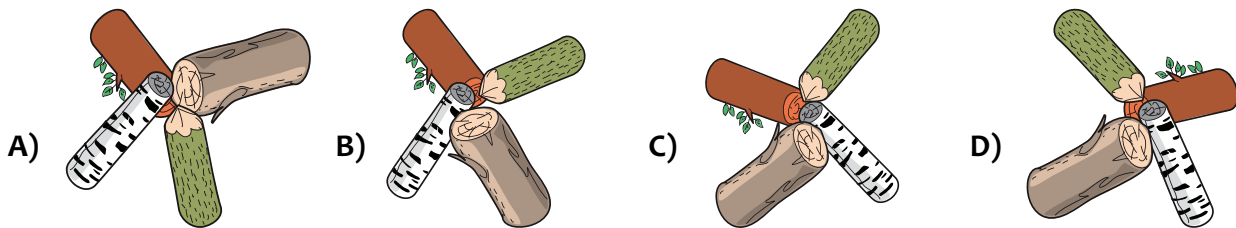
T19. Photo



The beaver just took a photo. It is one of the four images below.

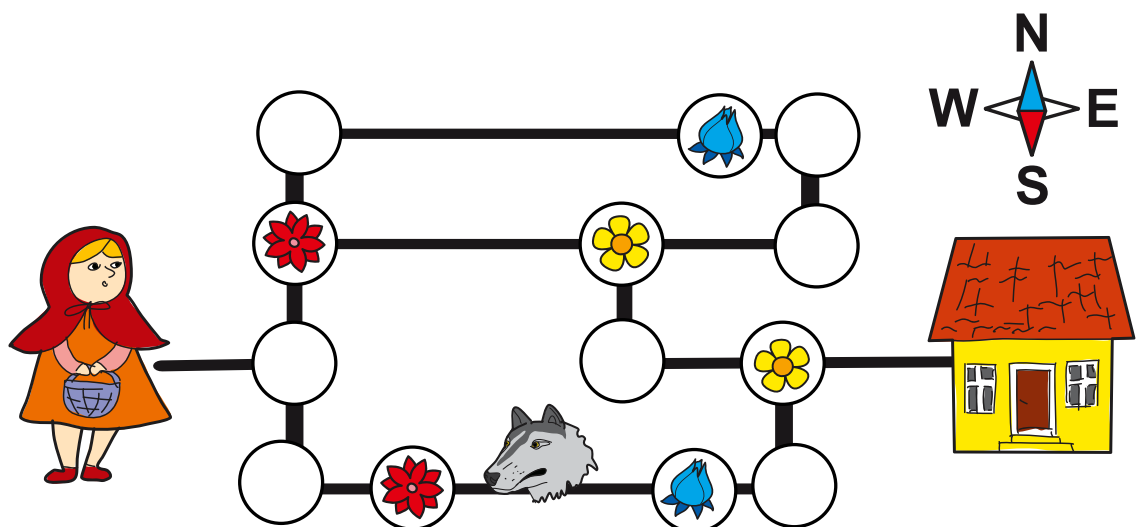
Question / Challenge

Which one?



T20. Flowers

Little Red Riding Hood wants to pick, on the way to her grandmother, a bouquet of flowers that will contain at least one of each flower: yellow daisy , red rose  and blue tulip , but she MUST NOT meet the Wolf.



On her way, she can move north, south, east, and west from one circle to the next circle in that direction.

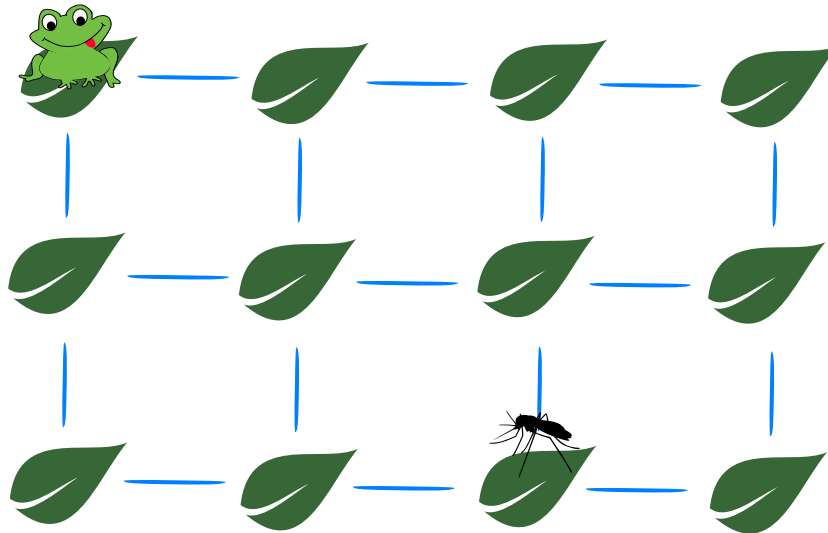
Question / Challenge

Which path should Little Red Riding Hood take to get to her grandmother?

- A) EAST NORTH EAST EAST SOUTH EAST EAST
 B) EAST NORTH NORTH EAST EAST SOUTH WEST SOUTH EAST EAST
 C) EAST SOUTH EAST EAST NORTH EAST
 D) EAST NORTH NORTH EAST EAST SOUTH WEST WEST SOUTH SOUTH EAST EAST

T21. Frog and Mosquito

A frog jumps from water lily to water lily along a straight blue line in one jump. It starts at the water lily where it is located. The frog wants to get to the water lily with the mosquito.

**Question / Challenge**

In how many different ways can the frog reach the water lily with the mosquito if it can jump **exactly four times**?

- A) 1 B) 4 C) 6 D) 7

