

# Station I

Use the picture and information to answer the questions on your worksheet.



Breed: Bernese Mountain Dog  
Height: 40 inches (102 cm)  
Weight: 110 lbs (50 kg)  
Age: 7 years



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# Station 2

Sort each of the cards as either an observation or an inference. When you are finished, flip the cards over to check your answers. Answer the questions on your worksheet.

observation

inference

The bark on the birch tree is white.

The beaker contains 250mL of water.

The plant is wilted.

Bob is 1 foot taller than Jill.

Water can fall as precipitation, including rain, snow, or hail.

When the power is turned on, the game lights up and plays a song.

The Sun rose at 6:54 this morning.

The truck is not running.

It is possible to jump higher in tennis shoes because they have rubber on the bottom.

The rock feels like an ice cube.

The volcano is erupting.

The water bath is heated to 48°C.

Dinosaurs died out when they could not adapt to the changing climate.

The caterpillar did not eat the moth because it is not a carnivore.

Lions eat zebras because they like the taste of zebra meat.

The ground is wet, so it must have been raining.

The plant has died due to lack of water.

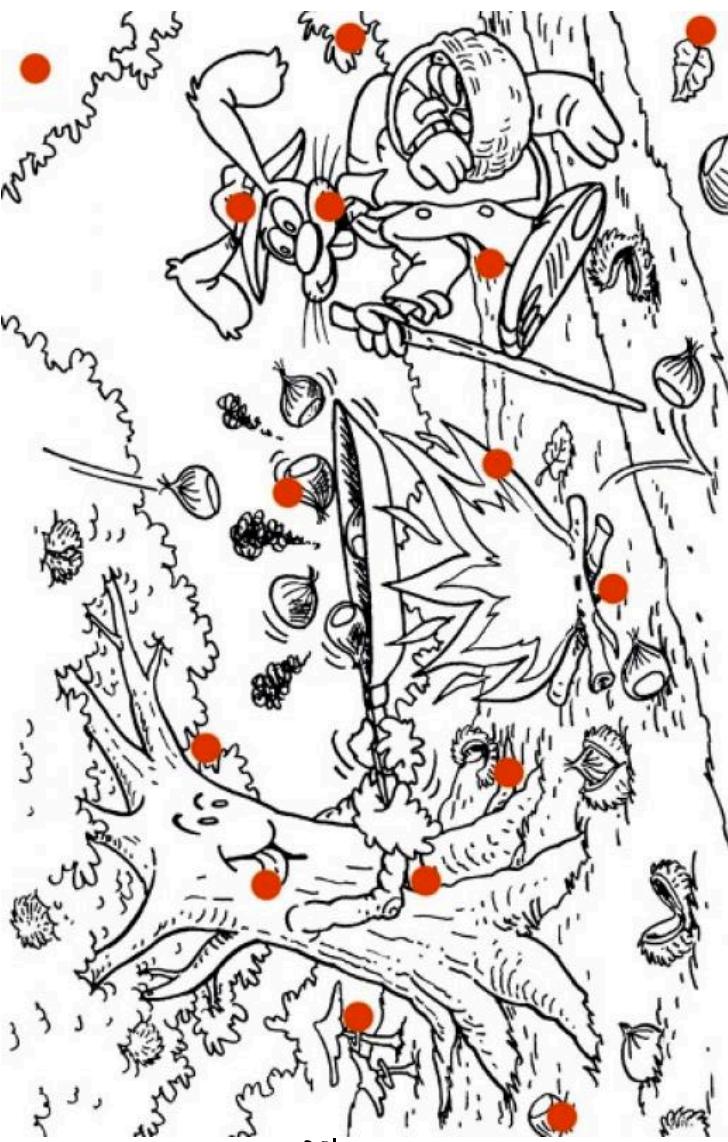
It is cloudy outside and looks like it might rain.

The car stopped because it ran out of gas.

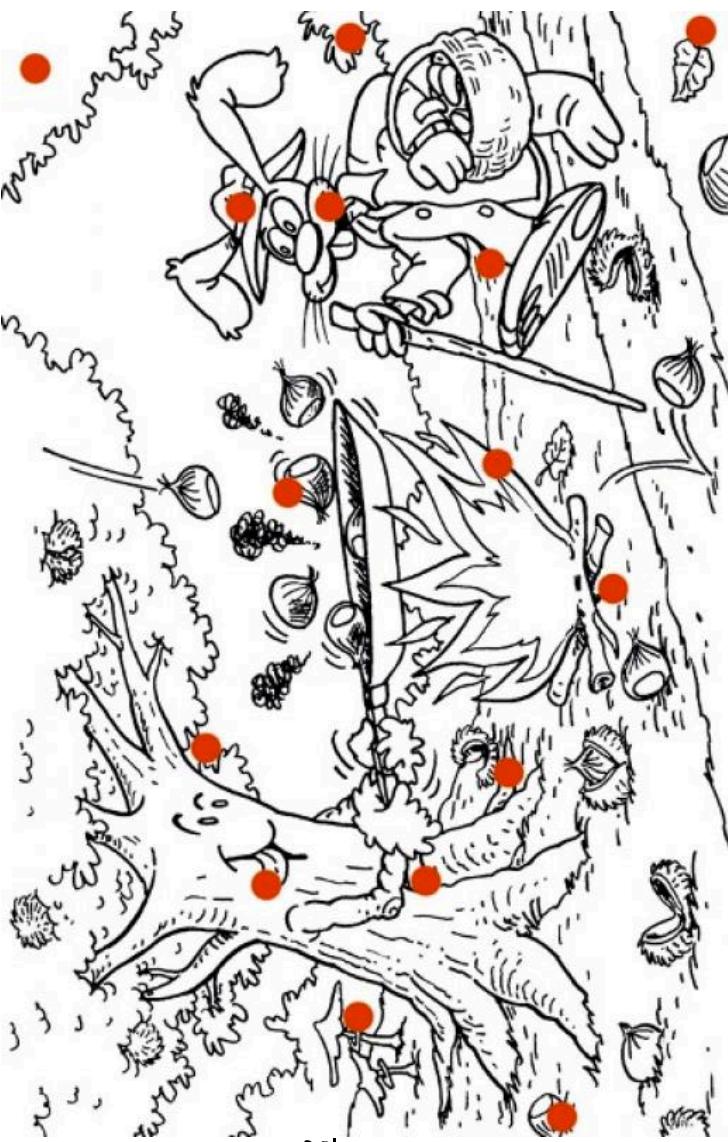
The air conditioning is on because it is hot outside.

# Station 3

Use a dry-erase marker to circle as many differences as you can find between the pictures. When you are finished, compare your answers with your group members and the answer key.



ANSWER KEY:  
There are **15**  
differences



ANSWER KEY:  
There are **15**  
differences

# Station 4

Use the picture at this station to answer the questions on your worksheet.



# Station 5

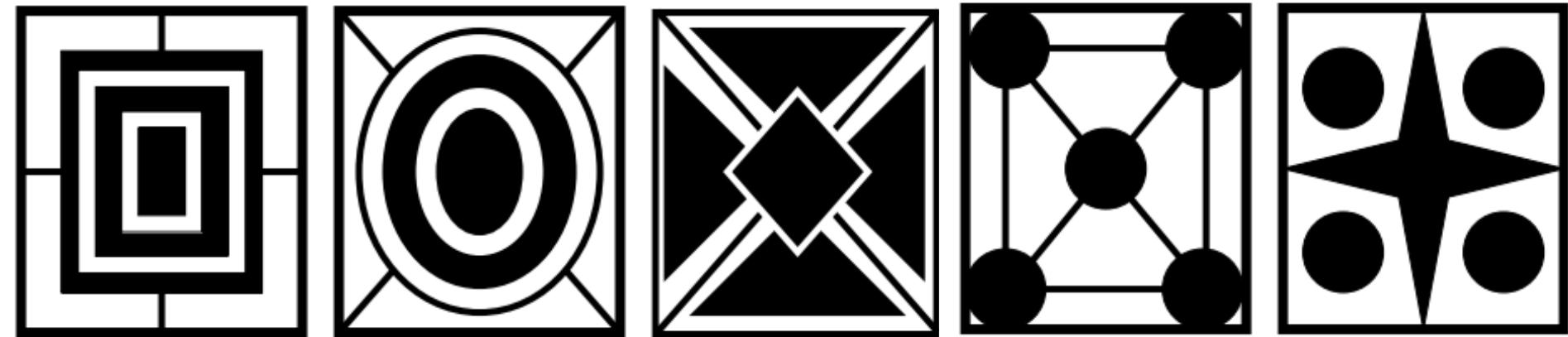
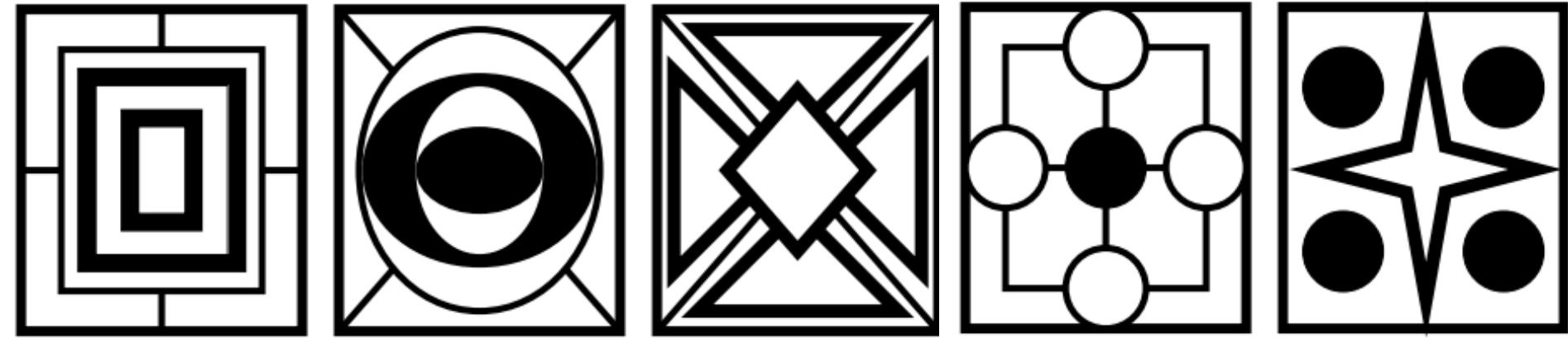
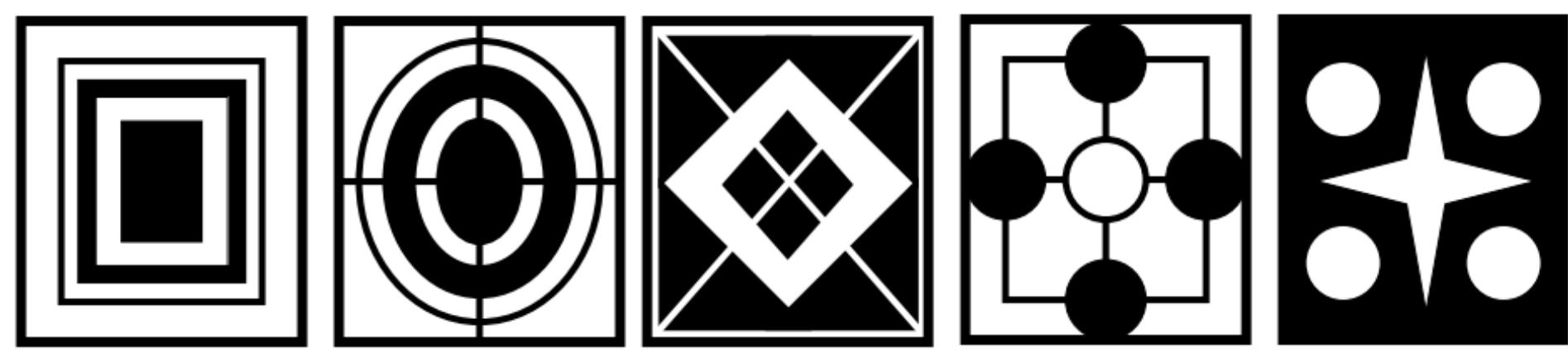
Read the instructions to play the “Memory Match” game. Record your results on your worksheet.

## Memory Match Rules

1. Choose one player to be the dealer and another to be the guesser.
2. The dealer chooses 3 cards from the bag and lays them face-up on the table.
3. The guesser studies the cards for 15 seconds, then turns around or closes his eyes so he can't see the cards.
4. The dealer removes one card, replaces it with another card, then rearranges the cards.
5. The guesser tries to pick out the new card. If they guess correctly, the dealer replaces the removed card, bringing the total number of cards on the table to 4, and repeats steps 3 + 4.
6. Continue adding cards and repeating until the guesser guesses incorrectly. When that occurs, the game is over and it is time to switch roles.

## Memory Match Rules

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# Station 6

Use the picture to answer  
the questions on your  
worksheet.



# Station 7

Sort each of the cards as an example of qualitative data or quantitative data. When you are finished, flip the cards over to check your answers. Answer the questions on your worksheet.

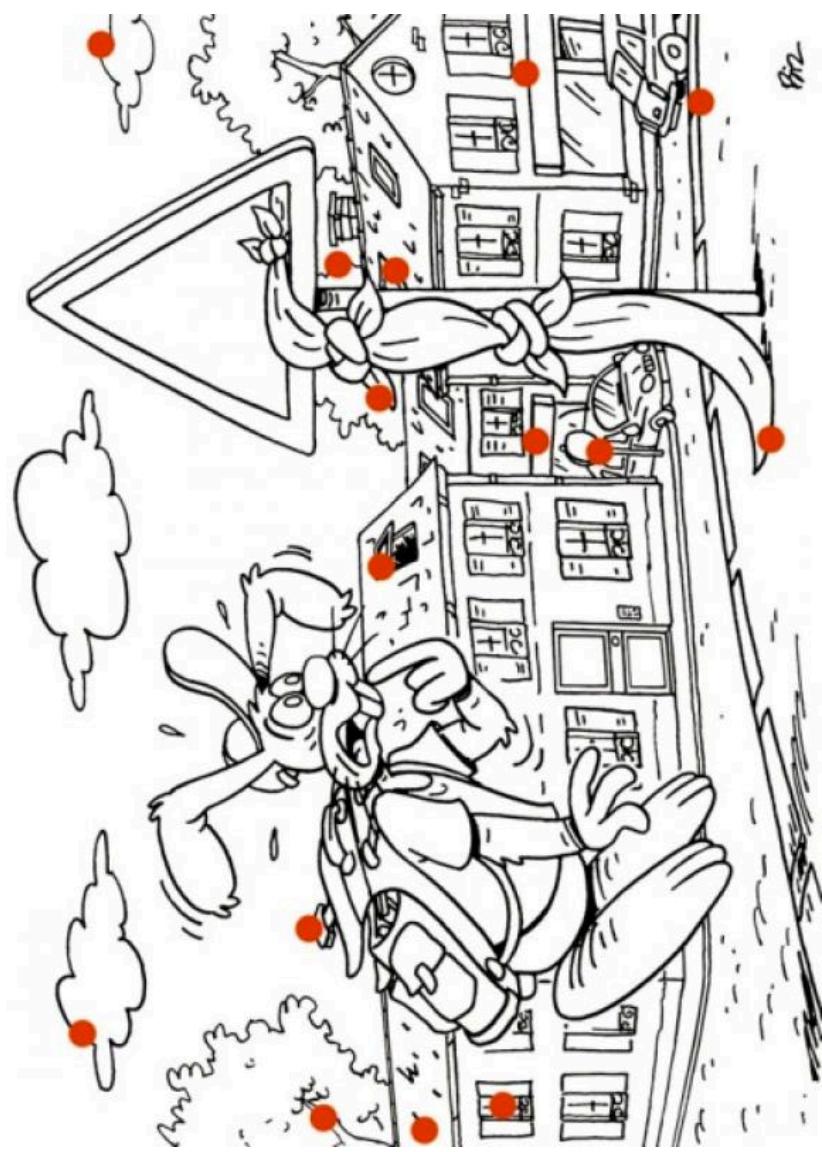
qualitative

quantitative

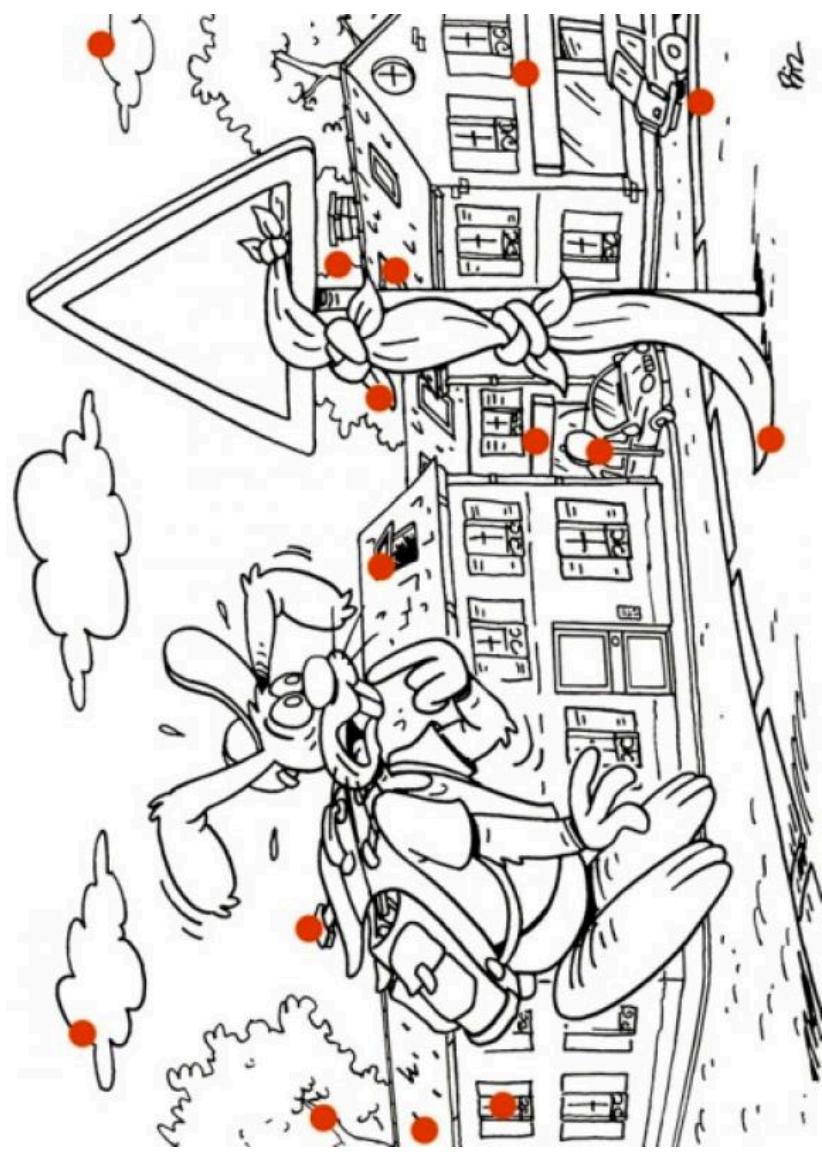
It has a rough texture.	The leaves on the bottom are more stiff than the leaves on top of the plant.	The plant is short.	The chemical reaction produced heat.
It makes a loud popping sound.	It smells like flowers.	About half the class was late to school today.	There is approximately 120mL of water in the cylinder.
It is 9cm long.	The mass of the beaker is 500g.	It is light green in color.	It tastes sour.
The temperature of the room increased by 8 degrees C.	We measured 12g of salt to place into the beaker.	The beaker was stirred for 32 seconds.	She tested four different types of plants.
The veins in the leaf are 3mm wide.	The plant is 6 inches tall.	It took 10 seconds for the salt to dissolve in the water.	There were 16 people in the room.

# Station 8

Use a dry-erase marker to circle as many differences as you can find between the pictures. When you are finished, compare your answers with your group members and the answer key.



ANSWER KEY:  
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differences



ANSWER KEY:  
There are **15**  
differences