



DEDUCTIVE REASONING

Deductive reasoning is figuring things out by considering what information we have available. However, sometimes we can also make deductions based on examining what information is missing.



PII'S ASSIGNMENT

For example, suppose we are asked to pair the letters A, B and C with the numbers 1,2 and 3 and are given the following information to guide us:

"1 is not B"
"2 is not A"
"3 is A"

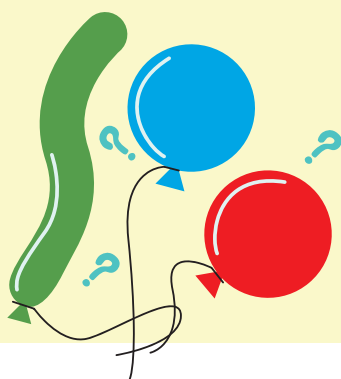
Using this information, we can now safely deduce that:

" Because 1 is not B, 1 must be either C or A "
" Because 2 is not A, 2 must be either C or B "
" 3 is A."

Based on this information, we are now easily able to deduce that the correct pairings are:

1 is C
2 is B
3 is A

In the puzzles that follow you can practice your deductive skill together with Pii, Flash and Jiro!



FAVORITE BALLOON

Can you guess who's favorite balloon is red, who's blue and who's green?

Jiro tells us, "My favorite balloon is not blue".
Pii tells us, "My favorite balloon is not green".
Flash, "of course my favorite balloon is blue!".

THREE DESSERTS

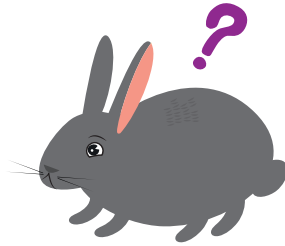
Choosing between cake, ice-cream and fruit salad, can you guess which dessert Pii, Flash and Jiro each want?

Pii tells us, "I don't want ice cream".
Flash tells us, "I don't want a cake".
Jiro tells us, "I want cake for dessert"!

AWARDS FOR "POSITIVE VIBES"

The MusicSmarties were to share "Positive Feelings Awards" in three categories: "Wonderfully Sleepy", "Great Dreamer" and "Big Thinker", but... the awards got mixed up! Can you help our friends figure out who is to receive which award?

Flash said, "I'm not sleepy!"
Pii said, "Well I'm not dreaming."
Jiro said, "I'm sleepy."



PII'S ASSIGNMENT

ACCOMPANYING PETS

Each of our three friends brought a dear pet along: a bunny, a dog and a squirrel.
Can you guess who brought which animal?

Pii says, "I did not bring the dog".
Jere says "The dog didn't come with me either".
Flash says, "Pii brought the bunny"!

FAVORITE SUBJECTS AT SCHOOL

Can you guess who's favorite subjects English, maths and biology might be?

Jiro says, "Flash's favorite subject is not maths".
Pii says, "Jiro's favorite subject is not maths".
Flash says, "Jiro's favorite subject is biology"

SPECIAL SKILLS

Can you guess who's special skill is rhyming, who's orienteering and who's multiplication?

Pii says, "I get lost easily".
Flash says, "Multiplication tables are difficult for me".
Jiro says, "I can find my way around even with my eyes closed!"



PII'S ASSIGNMENT SOLUTIONS

FAVORITE BALLOON

Solution:

Jiro: green balloon

Pii: red balloon

Flash: blue balloon

THREE DESSERTS

Solution:

Jiro: cake

Pii: fruit salad

Flash: ice cream

AWARDS FOR "POSITIVE VIBES"

Solution:

Jiro: Wonderfully Sleepy

Pii: Big Thinker

Flash: Great Dreamer

ACCOMPANYING PETS

Solution:

Jiro: Squirrel

Pii: Bunny

Flash: Dog

FAVORITE SUBJECTS AT SCHOOL

Solution:

Jiro: Biology

Pii: Maths

Flash: English

SPECIAL SKILLS

Solution:

Jiro: Orientation

Pii: Multiplication tables

Flash: Rhyming

