# Logic Lab · Grade 3 · Workbook 02

Combine the clues to find the unique one-to-one matching. Each choice is used once.

Name: _____ Date: _____

## 1. Space discoveries

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | ✕ | | |
| Leo | ✕ | | | |
| Sam | | | | ✕ |
| Zoe | | | ✕ | |

A: Saturn · B: Venus · C: a comet · D: Earth

Mia chose "Venus".
Sam did not choose "Saturn".
Leo did not choose "Earth".
Zoe did not choose "Saturn".
Zoe chose "a comet".
Mia did not choose "Saturn".

## 2. Animal friends

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | ✕ | |
| Leo | | | | ✕ |
| Sam | ✕ | | | |
| Zoe | | ✕ | | |

A: rabbit · B: turtle · C: owl · D: panda

Leo chose "panda".
Zoe did not choose "owl".
Mia did not choose "turtle".
Sam did not choose "owl".
Zoe chose "turtle".
Sam did not choose "panda".

## 3. Garden finds

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | | ✕ |
| Leo | | | ✕ | |
| Sam | ✕ | | | |
| Zoe | | ✕ | | |

A: fern · B: tulip · C: daisy · D: rose

Leo chose "daisy".
Mia did not choose "tulip".
Mia chose "rose".
Zoe chose "tulip".
Leo did not choose "tulip".
Sam did not choose "daisy".

## 4. Picnic choices

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | ✕ | |
| Leo | ✕ | | | |
| Sam | | | | ✕ |
| Zoe | | ✕ | | |

A: bread · B: pear · C: cheese · D: banana

Sam chose "banana".
Mia did not choose "bread".
Leo chose "bread".
Mia did not choose "pear".
Leo did not choose "banana".
Mia did not choose "banana".

## 5. Ways to travel

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | ✕ | |
| Leo | | ✕ | | |
| Sam | | | | ✕ |
| Zoe | ✕ | | | |

A: train · B: rocket · C: tram · D: boat

Sam chose "boat".
Leo did not choose "tram".
Zoe did not choose "rocket".
Mia chose "tram".
Sam did not choose "tram".
Leo did not choose "boat".

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Combine the clues to find the unique one-to-one matching. Each choice is used once.

Name: _____ Date: _____

## 1. Garden finds

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | ✕ | | |
| Leo | ✕ | | | |
| Sam | | | ✕ | |
| Zoe | | | | ✕ |

A: tulip · B: fern · C: oak · D: pine

Sam chose "oak".
Zoe did not choose "tulip".
Mia chose "fern".
Zoe did not choose "oak".
Zoe did not choose "fern".
Leo did not choose "oak".

## 2. Picnic choices

| | A | B | C | D |
|---|---|---|---|---|
| Mia | ✕ | | | |
| Leo | | | | ✕ |
| Sam | | ✕ | | |
| Zoe | | | ✕ | |

A: carrot · B: pear · C: banana · D: cheese

Sam chose "pear".
Mia chose "carrot".
Leo did not choose "banana".
Mia did not choose "pear".
Sam did not choose "banana".
Sam did not choose "carrot".

## 3. Ways to travel

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | ✕ | | |
| Leo | | | | ✕ |
| Sam | | | ✕ | |
| Zoe | ✕ | | | |

A: bike · B: tram · C: train · D: scooter

Sam chose "train".
Leo did not choose "tram".
Zoe did not choose "scooter".
Mia chose "tram".
Zoe did not choose "train".
Mia did not choose "train".

## 4. Space discoveries

| | A | B | C | D |
|---|---|---|---|---|
| Mia | ✕ | | | |
| Leo | | ✕ | | |
| Sam | | | ✕ | |
| Zoe | | | | ✕ |

A: Jupiter · B: Mars · C: Earth · D: Neptune

Mia chose "Jupiter".
Sam chose "Earth".
Zoe chose "Neptune".
Mia did not choose "Neptune".
Leo did not choose "Earth".
Mia did not choose "Mars".

## 5. Animal friends

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | ✕ | |
| Leo | | | | ✕ |
| Sam | ✕ | | | |
| Zoe | | ✕ | | |

A: dog · B: fox · C: bear · D: cat

Leo chose "cat".
Zoe did not choose "bear".
Mia did not choose "dog".
Mia did not choose "fox".
Sam did not choose "fox".
Leo did not choose "bear".

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Combine the clues to find the unique one-to-one matching. Each choice is used once.

Name: _____ Date: _____

## 1. Animal friends

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | ✕ | | |
| Leo | ✕ | | | |
| Sam | | | ✕ | |
| Zoe | | | | ✕ |

A: rabbit · B: cat · C: bear · D: owl

Zoe chose "owl".
Sam did not choose "cat".
Mia did not choose "bear".
Leo chose "rabbit".
Mia did not choose "owl".
Sam chose "bear".

## 2. Space discoveries

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | ✕ | |
| Leo | ✕ | | | |
| Sam | | ✕ | | |
| Zoe | | | | ✕ |

A: Jupiter · B: the Moon · C: Mars · D: Earth

Zoe chose "Earth".
Leo did not choose "the Moon".
Sam did not choose "Jupiter".
Sam did not choose "Mars".
Leo chose "Jupiter".
Leo did not choose "Earth".

## 3. Ways to travel

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | | ✕ |
| Leo | | ✕ | | |
| Sam | ✕ | | | |
| Zoe | | | ✕ | |

A: train · B: tram · C: car · D: rocket

Mia chose "rocket".
Sam did not choose "tram".
Sam chose "train".
Leo chose "tram".
Mia did not choose "tram".
Sam did not choose "rocket".

## 4. Garden finds

| | A | B | C | D |
|---|---|---|---|---|
| Mia | | | ✕ | |
| Leo | | ✕ | | |
| Sam | | | | ✕ |
| Zoe | ✕ | | | |

A: daisy · B: rose · C: cactus · D: tulip

Mia chose "cactus".
Sam chose "tulip".
Zoe did not choose "rose".
Mia did not choose "rose".
Sam did not choose "rose".
Zoe chose "daisy".

## 5. Picnic choices

| | A | B | C | D |
|---|---|---|---|---|
| Mia | ✕ | | | |
| Leo | | | ✕ | |
| Sam | | | | ✕ |
| Zoe | | ✕ | | |

A: apple · B: banana · C: cheese · D: bread

Mia chose "apple".
Leo chose "cheese".
Sam chose "bread".
Zoe did not choose "apple".
Leo did not choose "apple".
Sam did not choose "cheese".