

Name _____

Date _____

Four campers signed up for activities at summer camp. Each camper is a different age and chose a different activity.

Use the clues to find each camper's age and activity.

Clues

1. Ray is 11.
2. Ava is one year younger than Cole.
3. The camper who is 9 chose crafts.
4. The camper who chose archery is older than the camper who chose climbing.
5. The camper who chose hiking is older than the camper who chose archery.
6. Ava is not 8.

		Age				Activity			
		8	9	10	11	climbing	archery	crafts	hiking
Name	Ava								
	Cole								
	Priya								
	Ray								
Activity	climbing								
	archery								
	crafts								
	hiking								

Answers

Ava

_____ age
_____ activity

Cole

_____ age
_____ activity

Priya

_____ age
_____ activity

Ray

_____ age
_____ activity

Three grids, one answer

A ● joins two things, so they share every other mark. When you find a ●, look along both of its lines into the other grids and copy each X and ● from one to the other.

New to logic puzzles? See printablescholar.com/logic-puzzles/how-to-solve

Name _____

Date _____

Four students each played a solo at the school concert. Each player practices on a different day and played a different instrument.

Use the clues to find each player's day and instrument.

Clues

- Will practices the day before Noah.
- The player who practices on Thursday did not play the piano.
- The player who played the piano practices the day after Zoe.
- Zoe played the violin.
- The player who played the guitar practices the day before Zoe.

		Day				Instrument			
		Monday	Tuesday	Wednesday	Thursday	violin	piano	guitar	drums
Name	Jada								
	Noah								
	Will								
	Zoe								
Instrument	violin								
	piano								
	guitar								
	drums								

Answers

Jada

_____ day
_____ instrument

Noah

_____ day
_____ instrument

Will

_____ day
_____ instrument

Zoe

_____ day
_____ instrument

Three grids, one answer

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Name _____

Date _____

Four gardeners each planted one row in the class garden. Each gardener used a different tool and has a different row.

Use the clues to find each gardener's tool and row.

Clues

- Will has a lower row number than the gardener who used the rake.
- Rosa has a higher row number than the gardener who used the rake.
- Rosa used the wheelbarrow or the watering can.
- Omar used the wheelbarrow.
- The gardener who used the shovel has a higher row number than the gardener who used the wheelbarrow.

		Tool				Row			
		watering can	wheelbarrow	rake	shovel	1	2	3	4
Name	Jada								
	Omar								
	Rosa								
	Will								
Row	1								
	2								
	3								
	4								

Answers

Jada

_____ tool
_____ row

Omar

_____ tool
_____ row

Rosa

_____ tool
_____ row

Will

_____ tool
_____ row

Three grids, one answer

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Name _____

Date _____

Four kids each sold one thing at the neighborhood yard sale. Each seller got a different price and sold a different item.

Use the clues to find each seller's price and item.

Clues

1. The seller who got \$2 sold the kite.
2. Lucy got \$3 or \$4.
3. Gus did not get \$4.
4. The seller who got \$5 sold the skateboard.
5. Ella got less money than Gus.
6. The seller who got \$4 sold the bike.
7. Hana got more money than Gus.

		Price				Item			
		\$2	\$3	\$4	\$5	kite	bike	skateboard	puzzle
Name	Ella								
	Gus								
	Hana								
	Lucy								
Item	kite								
	bike								
	skateboard								
	puzzle								

Answers

Ella

_____ price
_____ item

Gus

_____ price
_____ item

Hana

_____ price
_____ item

Lucy

_____ price
_____ item

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Name _____

Date _____

Four artists each hung one piece in the school art show. Each artist made a different kind of art and worked for a different number of hours.

Use the clues to find each artist's artwork and hours of work.

Clues

1. The artist who made the collage worked for 4 hours.
2. The artist who made the painting worked for 2 hours.
3. Bella did not make the mobile.
4. Nora worked for 4 hours.
5. Nora worked one hour less than Theo.
6. The artist who made the collage worked for more time than the artist who made the mobile.

		Artwork				Hours of work			
		mobile	collage	painting	drawing	2	3	4	5
Name	Bella								
	Mia								
	Nora								
	Theo								
Hours of work	2								
	3								
	4								
	5								

Answers

Bella

_____ artwork
_____ hours of work

Mia

_____ artwork
_____ hours of work

Nora

_____ artwork
_____ hours of work

Theo

_____ artwork
_____ hours of work

Three grids, one answer

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Name _____

Date _____

Four readers joined the summer reading challenge. Each reader read a different number of books and checked out a different kind of book.

Use the clues to find each reader's number of books and kind of book.

Clues

- Nora read one book fewer than Ivy.
- The reader who read 5 books checked out the animal book.
- Ivy read 5 books.
- The reader who read 6 books checked out the comic.
- The reader who checked out the animal book read fewer books than the reader who checked out the space book.
- Will did not read 7 books.

		Number of books				Kind of book			
		4	5	6	7	space	fantasy	comic	animals
Name	Ivy								
	Kira								
	Nora								
	Will								
Kind of book	space								
	fantasy								
	comic								
	animals								

Answers

Ivy

_____ number of books
 _____ kind of book

Kira

_____ number of books
 _____ kind of book

Nora

_____ number of books
 _____ kind of book

Will

_____ number of books
 _____ kind of book

Three grids, one answer

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Name _____

Date _____

Four students entered the science fair. Each student made a different project and is in a different grade.

Use the clues to find each student's project and grade.

Clues

1. Leo is one grade above Hana.
2. Either Jada or Leo made the plant maze.
3. Jada is in grade 3.
4. The student who made the solar oven is one grade above Jada.
5. Leo is not in grade 5.
6. The student who made the magnet car is in grade 6.

		Project				Grade			
		plant maze	weather station	magnet car	solar oven	3	4	5	6
Name	Hana								
	Jada								
	Leo								
	Omar								
Grade	3								
	4								
	5								
	6								

Answers

Hana

_____ project
_____ grade

Jada

_____ project
_____ grade

Leo

_____ project
_____ grade

Omar

_____ project
_____ grade

Three grids, one answer

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New to logic puzzles? See printablescholar.com/logic-puzzles/how-to-solve

Name _____

Date _____

Four students each play one sport after school. Each student has practice on a different day and wears a different color jersey.

Use the clues to find each student's day and jersey.

Clues

1. The student who wears the red jersey has practice on Tuesday or Thursday.
2. Ella does not have practice on Monday.
3. Either Omar or Jack has practice on Tuesday.
4. The student who has practice on Tuesday wears the purple jersey.
5. Omar has practice on Thursday.
6. The student who wears the blue jersey has practice on Monday or Thursday.

		Day				Jersey			
		Monday	Tuesday	Wednesday	Thursday	purple	red	blue	black
Name	Ella								
	Ivy								
	Jack								
	Omar								
Jersey	purple								
	red								
	blue								
	black								

Answers

Ella

_____ day
_____ jersey

Ivy

_____ day
_____ jersey

Jack

_____ day
_____ jersey

Omar

_____ day
_____ jersey

Three grids, one answer

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Name _____

Date _____

Four students sat together at lunch. Each student had a different sandwich and had a different fruit.

Use the clues to find each student's sandwich and fruit.

Clues

1. The student who had the tuna sandwich had the grapes or the apple.
2. Cole had the egg sandwich.
3. The student who had the cheese sandwich had the grapes.
4. The student who had the chicken sandwich had the peach.
5. Jada had the egg sandwich or the cheese sandwich.
6. Tess did not have the peach.

		Sandwich				Fruit			
		chicken	egg	tuna	cheese	grapes	peach	plum	apple
Name	Cole								
	Jada								
	Ray								
	Tess								
Fruit	grapes								
	peach								
	plum								
	apple								

Answers

Cole

_____ sandwich
_____ fruit

Jada

_____ sandwich
_____ fruit

Ray

_____ sandwich
_____ fruit

Tess

_____ sandwich
_____ fruit

Three grids, one answer

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Name _____

Date _____

Four friends each brought one pet to the school pet show. Each friend is a different age and won a different color ribbon.

Use the clues to find each friend's age and ribbon.

Clues

1. The friend who is 10 won the red ribbon.
2. The friend who won the blue ribbon is one year younger than Jack.
3. Either Jack or Kai won the green ribbon.
4. The friend who won the yellow ribbon is one year older than Mia.
5. The friend who is 8 won the yellow ribbon.

		Age				Ribbon			
		7	8	9	10	blue	yellow	green	red
Name	Jack								
	Kai								
	Mia								
	Priya								
Ribbon	blue								
	yellow								
	green								
	red								

Answers

Jack

_____ age
_____ ribbon

Kai

_____ age
_____ ribbon

Mia

_____ age
_____ ribbon

Priya

_____ age
_____ ribbon

Three grids, one answer

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Name _____

Date _____

Four runners ran the last race on field day. Each runner finished in a different place and wore a different color shirt.

Use the clues to find each runner's place and shirt.

Clues

- Ben finished behind Ivy.
- The runner who wore the yellow shirt finished behind Noah.
- Ben finished one place ahead of the runner who wore the red shirt.
- The runner who finished 2nd wore the yellow shirt.
- The runner who finished 1st wore the green shirt.

		Place				Shirt			
		1st	2nd	3rd	4th	green	yellow	red	orange
Name	Ben								
	Ivy								
	Mia								
	Noah								
Shirt	green								
	yellow								
	red								
	orange								

Answers

Ben

_____ place
_____ shirt

Ivy

_____ place
_____ shirt

Mia

_____ place
_____ shirt

Noah

_____ place
_____ shirt

Three grids, one answer

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Name _____

Date _____

Four students went on the class trip to the museum. Each student sat in a different row on the bus and liked a different room best. Row 1 is at the front.

Use the clues to find each student's bus row and favorite room.

Clues

1. The student who sat in row 2 liked the ocean room.
2. Ray sat in row 2 or row 3.
3. Ben did not like the ocean room.
4. Chloe sat in row 1.
5. Ben sat closer to the front of the bus than the student who liked the train room.
6. Chloe did not like the dinosaur room.

		Bus row				Favorite room			
		1	2	3	4	train	insect	dinosaur	ocean
Name	Ben								
	Chloe								
	Nora								
	Ray								
Favorite room	train								
	insect								
	dinosaur								
	ocean								

Answers

Ben

_____ bus row
_____ favorite room

Chloe

_____ bus row
_____ favorite room

Nora

_____ bus row
_____ favorite room

Ray

_____ bus row
_____ favorite room

Three grids, one answer

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A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Age	Activity
Ava	9	crafts
Cole	10	archery
Priya	8	climbing
Ray	11	hiking

		Age				Activity			
		8	9	10	11	climbing	archery	crafts	hiking
Name	Ava	X	●	X	X	X	X	●	X
	Cole	X	X	●	X	X	●	X	X
	Priya	●	X	X	X	●	X	X	X
	Ray	X	X	X	●	X	X	X	●
Activity	climbing	●	X	X	X				
	archery	X	X	●	X				
	crafts	X	●	X	X				
	hiking	X	X	X	●				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Day	Instrument
Jada	Monday	guitar
Noah	Thursday	drums
Will	Wednesday	piano
Zoe	Tuesday	violin

		Day				Instrument			
		Monday	Tuesday	Wednesday	Thursday	violin	piano	guitar	drums
Name	Jada	●	X	X	X	X	X	●	X
	Noah	X	X	X	●	X	X	X	●
	Will	X	X	●	X	X	●	X	X
	Zoe	X	●	X	X	●	X	X	X
Instrument	violin	X	●	X	X				
	piano	X	X	●	X				
	guitar	●	X	X	X				
	drums	X	X	X	●				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Tool	Row
Jada	rake	3
Omar	wheelbarrow	1
Rosa	watering can	4
Will	shovel	2

		Tool				Row			
		watering can	wheelbarrow	rake	shovel	1	2	3	4
Name	Jada	X	X	●	X	X	X	●	X
	Omar	X	●	X	X	●	X	X	X
	Rosa	●	X	X	X	X	X	X	●
	Will	X	X	X	●	X	●	X	X
Row	1	X	●	X	X				
	2	X	X	X	●				
	3	X	X	●	X				
	4	●	X	X	X				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Price	Item
Ella	\$2	kite
Gus	\$3	puzzle
Hana	\$5	skateboard
Lucy	\$4	bike

		Price				Item			
		\$2	\$3	\$4	\$5	kite	bike	skateboard	puzzle
Name	Ella	●	X	X	X	●	X	X	X
	Gus	X	●	X	X	X	X	X	●
	Hana	X	X	X	●	X	X	●	X
	Lucy	X	X	●	X	X	●	X	X
Item	kite	●	X	X	X				
	bike	X	X	●	X				
	skateboard	X	X	X	●				
	puzzle	X	●	X	X				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Artwork	Hours of work
Bella	painting	2
Mia	mobile	3
Nora	collage	4
Theo	drawing	5

		Artwork				Hours of work			
		mobile	collage	painting	drawing	2	3	4	5
Name	Bella	X	X	●	X	●	X	X	X
	Mia	●	X	X	X	X	●	X	X
	Nora	X	●	X	X	X	X	●	X
	Theo	X	X	X	●	X	X	X	●
Hours of work	2	X	X	●	X				
	3	●	X	X	X				
	4	X	●	X	X				
	5	X	X	X	●				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Number of books	Kind of book
Ivy	5	animals
Kira	7	space
Nora	4	fantasy
Will	6	comic

		Number of books				Kind of book			
		4	5	6	7	space	fantasy	comic	animals
Name	Ivy	X	●	X	X	X	X	X	●
	Kira	X	X	X	●	●	X	X	X
	Nora	●	X	X	X	X	●	X	X
	Will	X	X	●	X	X	X	●	X
Kind of book	space	X	X	X	●				
	fantasy	●	X	X	X				
	comic	X	X	●	X				
	animals	X	●	X	X				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Project	Grade
Hana	weather station	5
Jada	plant maze	3
Leo	magnet car	6
Omar	solar oven	4

		Project				Grade			
		plant maze	weather station	magnet car	solar oven	3	4	5	6
Name	Hana	X	●	X	X	X	X	●	X
	Jada	●	X	X	X	●	X	X	X
	Leo	X	X	●	X	X	X	X	●
	Omar	X	X	X	●	X	●	X	X
Grade	3	●	X	X	X				
	4	X	X	X	●				
	5	X	●	X	X				
	6	X	X	●	X				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Day	Jersey
Ella	Wednesday	black
Ivy	Monday	blue
Jack	Tuesday	purple
Omar	Thursday	red

		Day				Jersey			
		Monday	Tuesday	Wednesday	Thursday	purple	red	blue	black
Name	Ella	X	X	●	X	X	X	X	●
	Ivy	●	X	X	X	X	X	●	X
	Jack	X	●	X	X	●	X	X	X
	Omar	X	X	X	●	X	●	X	X
Jersey	purple	X	●	X	X				
	red	X	X	X	●				
	blue	●	X	X	X				
	black	X	X	●	X				

The Lunch Table

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Sandwich	Fruit
Cole	egg	plum
Jada	cheese	grapes
Ray	chicken	peach
Tess	tuna	apple

		Sandwich				Fruit			
		chicken	egg	tuna	cheese	grapes	peach	plum	apple
Name	Cole	X	●	X	X	X	X	●	X
	Jada	X	X	X	●	●	X	X	X
	Ray	●	X	X	X	X	●	X	X
	Tess	X	X	●	X	X	X	X	●
Fruit	grapes	X	X	X	●				
	peach	●	X	X	X				
	plum	X	●	X	X				
	apple	X	X	●	X				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Age	Ribbon
Jack	8	yellow
Kai	9	green
Mia	7	blue
Priya	10	red

		Age				Ribbon			
		7	8	9	10	blue	yellow	green	red
Name	Jack	X	●	X	X	X	●	X	X
	Kai	X	X	●	X	X	X	●	X
	Mia	●	X	X	X	●	X	X	X
	Priya	X	X	X	●	X	X	X	●
Ribbon	blue	●	X	X	X				
	yellow	X	●	X	X				
	green	X	X	●	X				
	red	X	X	X	●				

The Field Day Race

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Place	Shirt
Ben	3rd	orange
Ivy	2nd	yellow
Mia	4th	red
Noah	1st	green

		Place				Shirt			
		1st	2nd	3rd	4th	green	yellow	red	orange
Name	Ben	X	X	●	X	X	X	X	●
	Ivy	X	●	X	X	X	●	X	X
	Mia	X	X	X	●	X	X	●	X
	Noah	●	X	X	X	●	X	X	X
Shirt	green	●	X	X	X				
	yellow	X	●	X	X				
	red	X	X	X	●				
	orange	X	X	●	X				

A ● marks a yes and an X marks a no. Every box can be filled in from the clues.

Name	Bus row	Favorite room
Ben	3	dinosaur
Chloe	1	insect
Nora	4	train
Ray	2	ocean

		Bus row				Favorite room			
		1	2	3	4	train	insect	dinosaur	ocean
Name	Ben	X	X	●	X	X	X	●	X
	Chloe	●	X	X	X	X	●	X	X
	Nora	X	X	X	●	●	X	X	X
	Ray	X	●	X	X	X	X	X	●
Favorite room	train	X	X	X	●				
	insect	●	X	X	X				
	dinosaur	X	X	●	X				
	ocean	X	●	X	X				