

Name _____

Date _____

Five runners ran the last race on field day. Each runner ate a different snack afterward and finished in a different place.

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

Clues

1. Either the runner who ate the popcorn finished 1st or Priya ate the banana, but not both.
2. Either Leo or Kai ate the popcorn.
3. The runner who ate the banana finished 2nd.
4. Priya finished ahead of Bella.
5. The runner who ate the orange finished 5th.
6. Bella ate the popcorn or the grapes.
7. Either Leo or Tess finished 4th.
8. Either the runner who ate the grapes finished 1st or Kai ate the orange, but not both.

		Snack					Place				
		pretzels	banana	grapes	orange	popcorn	1st	2nd	3rd	4th	5th
Name	Bella										
	Kai										
	Leo										
	Priya										
	Tess										
Place	1st										
	2nd										
	3rd										
	4th										
	5th										

Answers

Bella

_____ snack
_____ place

Kai

_____ snack
_____ place

Leo

_____ snack
_____ place

Priya

_____ snack
_____ place

Tess

_____ snack
_____ place

Stuck? Try it and see

Pick an either/or clue and suppose its first half is true. Mark lightly and keep going. If a row or column ends up with no box left, that half was false, so rub out and mark the other half as true.

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

The Field Day Race

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

Name	Snack	Place
Bella	grapes	3rd
Kai	orange	5th
Leo	popcorn	4th
Priya	banana	2nd
Tess	pretzels	1st

		Snack					Place				
		pretzels	banana	grapes	orange	popcorn	1st	2nd	3rd	4th	5th
Name	Bella	X	X	●	X	X	X	X	●	X	X
	Kai	X	X	X	●	X	X	X	X	X	●
	Leo	X	X	X	X	●	X	X	X	●	X
	Priya	X	●	X	X	X	X	●	X	X	X
	Tess	●	X	X	X	X	●	X	X	X	X
Place	1st	●	X	X	X	X					
	2nd	X	●	X	X	X					
	3rd	X	X	●	X	X					
	4th	X	X	X	X	●					
	5th	X	X	X	●	X					

The try-it-and-see step

Clue 1. Suppose the runner who ate the popcorn finished 1st. Follow that through the grid and a row or column runs out of boxes, so it cannot be true. That leaves the other half of the clue: Priya ate the banana.