

Name _____

Date _____

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

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

Clues

- Lucy does not practice on Friday.
- Either Omar or Lucy played the piano.
- The player who played the trumpet practices later in the week than Ava.
- Either Jada practices on Monday or Lucy practices on Thursday, but not both.
- Omar practices earlier in the week than Ava.
- The player who played the flute practices on Tuesday.
- Either Jada played the guitar or Ava played the piano, but not both.
- Omar practices on Tuesday or Friday.

		Instrument					Day				
		drums	trumpet	flute	guitar	piano	Monday	Tuesday	Wednesday	Thursday	Friday
Name	Ava										
	Jada										
	Lucy										
	Noah										
	Omar										
Day	Monday										
	Tuesday										
	Wednesday										
	Thursday										
	Friday										

Answers

Ava

_____ instrument
_____ day

Jada

_____ instrument
_____ day

Lucy

_____ instrument
_____ day

Noah

_____ instrument
_____ day

Omar

_____ instrument
_____ day

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.

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The School Concert

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

Name	Instrument	Day
Ava	drums	Thursday
Jada	guitar	Monday
Lucy	piano	Wednesday
Noah	trumpet	Friday
Omar	flute	Tuesday

		Instrument					Day				
		drums	trumpet	flute	guitar	piano	Monday	Tuesday	Wednesday	Thursday	Friday
Name	Ava	●	X	X	X	X	X	X	X	●	X
	Jada	X	X	X	●	X	●	X	X	X	X
	Lucy	X	X	X	X	●	X	X	●	X	X
	Noah	X	●	X	X	X	X	X	X	X	●
	Omar	X	X	●	X	X	X	●	X	X	X
Day	Monday	X	X	X	●	X					
	Tuesday	X	X	●	X	X					
	Wednesday	X	X	X	X	●					
	Thursday	●	X	X	X	X					
	Friday	X	●	X	X	X					

The try-it-and-see step

Clue 4. Suppose Lucy practices on Thursday. 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: Jada practices on Monday.