

Name _____

Date _____

Five 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. Either Eli has practice on Thursday or the student who has practice on Friday wears the purple jersey, but not both.
2. Tess does not wear the gold jersey.
3. Either Tess wears the blue jersey or the student who wears the purple jersey has practice on Friday, but not both.
4. Tess has practice the day before Hana.
5. Either Hana or Sam wears the black jersey.
6. Tess has practice earlier in the week than the student who wears the red jersey.
7. The student who wears the red jersey has practice the day after the student who wears the gold jersey.
8. The student who wears the purple jersey has practice later in the week than Sam.

		Day					Jersey				
		Monday	Tuesday	Wednesday	Thursday	Friday	blue	black	red	gold	purple
Name	Eli										
	Hana										
	Nora										
	Sam										
	Tess										
Jersey	blue										
	black										
	red										
	gold										
	purple										

Answers

Eli

_____ day
_____ jersey

Hana

_____ day
_____ jersey

Nora

_____ day
_____ jersey

Sam

_____ day
_____ jersey

Tess

_____ day
_____ jersey

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

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

Name	Day	Jersey
Eli	Thursday	gold
Hana	Wednesday	purple
Nora	Friday	red
Sam	Monday	black
Tess	Tuesday	blue

		Day					Jersey				
		Monday	Tuesday	Wednesday	Thursday	Friday	blue	black	red	gold	purple
Name	Eli	X	X	X	●	X	X	X	X	●	X
	Hana	X	X	●	X	X	X	X	X	X	●
	Nora	X	X	X	X	●	X	X	●	X	X
	Sam	●	X	X	X	X	X	●	X	X	X
	Tess	X	●	X	X	X	●	X	X	X	X
Jersey	blue	X	●	X	X	X					
	black	●	X	X	X	X					
	red	X	X	X	X	●					
	gold	X	X	X	●	X					
	purple	X	X	●	X	X					

The try-it-and-see step

Clue 1. Suppose the student who has practice on Friday wears the purple jersey. 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: Eli has practice on Thursday.