



Four close friends (Sally, Becky, Joann and Jill) attended the same college and shared an interest in astronomy. Using the clues, determine which woman saw which planet while looking through her telescope, where she lives, and how much she earns.

- 1. The person who lives in Tampa is not Jill.
- 2. The woman with the \$122,000 salary is Sally.
- 3. The friend who lives in Tampa didn't observe Saturn or Mercury through her telescope.
- 4. The woman who lives in Houston earns less than her friend in Tampa.
- 5. The friend with the \$95,000 salary lives in Los Angeles.
- 6. Either the person living in Los Angeles or the friend who lives in Houston caught a great view of Jupiter through her telescope.
- 7. The woman who lives in Houston is not Jill and she didn't observe Saturn through her telescope.
- 8. The friend who lives in Tampa earns more than the woman who pointed her telescope at Jupiter.
- 9. The woman living in Los Angeles didn't observe Mercury through her telescope and is not Jill.
- 10. Of Joann and the amateur astronomer who pointed her telescope at Saturn, one lives in Houston and the other earns \$56,000 per year.
- 11. The one with the \$122,000 salary didn't observe Mercury through her telescope.
- 12. The person living in Tampa is not Joann.
- 13. The person who lives in Detroit is not Becky.

		Name				Planet				City			
		Sally	Joann	Becky	Jill	Jupiter	Mars	Mercury	Saturn	Los Angeles	Tampa	Detroit	Houston
Income	\$56,000												
	\$82,000												
	\$95,000												
	\$122,000												
City	Los Angeles												
	Tampa												
	Detroit												
	Houston												
Planet	Jupiter												
	Mars												
	Mercury												
	Saturn												

		Name	Planet	City
	\$56,000			
	\$82,000			
	\$95,000			
	\$122,000			

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- The friend with the \$95,000 salary lives in Los Angeles.
- Either the person living in Los Angeles or the friend who lives in Houston caught a great view of Jupiter through her telescope.
- The woman who lives in Houston is not Jill and she didn't observe Saturn through her telescope.
- The friend who lives in Tampa earns more than the woman who pointed her telescope at Jupiter.
- The woman living in Los Angeles didn't observe Mercury through her telescope and is not Jill.
- Of Joann and the amateur astronomer who pointed her telescope at Saturn, one lives in Houston and the other earns \$56,000 per year.
- The one with the \$122,000 salary didn't observe Mercury through her telescope.
- The person living in Tampa is not Joann.
- The person who lives in Detroit is not Becky.

		Name				Planet				City			
		Sally	Joann	Becky	Jill	Jupiter	Mars	Mercury	Saturn	Los Angeles	Tampa	Detroit	Houston
Income	\$56,000	×	×	×	✓	×	×	×	✓	×	×	✓	×
	\$82,000	×	✓	×	×	×	×	✓	×	×	×	×	✓
	\$95,000	×	×	✓	×	✓	×	×	×	✓	×	×	×
	\$122,000	✓	×	×	×	×	✓	×	×	×	✓	×	×
City	Los Angeles	×	×	✓	×	✓	×	×	×	×	×	×	×
	Tampa	✓	×	×	×	×	✓	×	×	×	×	×	×
	Detroit	×	×	×	✓	×	×	×	✓	×	×	×	×
	Houston	×	✓	×	×	×	×	✓	×	×	×	×	×
Planet	Jupiter	×	×	✓	×	×	×	×	×	×	×	×	×
	Mars	✓	×	×	×	×	×	×	×	×	×	×	×
	Mercury	×	✓	×	×	×	×	×	×	×	×	×	×
	Saturn	×	×	×	✓	×	×	×	×	×	×	×	×

	Name	Planet	City
\$56,000	Jill	Saturn	Detroit
\$82,000	Joann	Mercury	Houston
\$95,000	Becky	Jupiter	Los Angeles
\$122,000	Sally	Mars	Tampa

