



While returning from work, four drivers stopped at a gas station to fill their cars. How many gallons were filled by pump number 4?

1. Exactly one of the drivers has the same initial in their name and in the color of their car.

2. The second pump filled 2 gallons less than the first one, but 2 gallons more than Emma's station.

3. Grace doesn't own a blue car, didn't fill 10 gallons, and wasn't served at the fourth station.

4. The gray car was served at the pump previous to Emma's one.
5. Benjamin used the third pump or filled 12 gallons.

6. The blue and black cars were filled with a total of 18 gallons.

7. The black car filled 10 gallons or it was on the third pump.

8. Benjamin wasn't at the fourth pump.

9. The second pump served 8 gallons or filled the black car.

		Pump				Color				Gallons			
		first	second	third	fourth	black	blue	gray	white	6	8	10	12
Driver	Benjamin												
	Emma												
	Grace												
	William												
Gallons	6												
	8												
	10												
	12												
Color	black												
	blue												
	gray												
	white												

		Pump	Color	Gallons
	Benjamin			
	Emma			
	Grace			
	William			

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		Pump				Color				Gallons			
		first	second	third	fourth	black	blue	gray	white	6	8	10	12
Driver	Benjamin	✓	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✓
	Emma	✗	✗	✗	✓	✗	✓	✗	✗	✗	✓	✗	✗
	Grace	✗	✗	✓	✗	✗	✗	✓	✗	✓	✗	✗	✗
	William	✗	✓	✗	✗	✓	✗	✗	✗	✗	✗	✓	✗
Gallons	6	✗	✗	✓	✗	✗	✗	✓	✗				
	8	✗	✗	✗	✓	✗	✓	✗	✗				
	10	✗	✓	✗	✗	✓	✗	✗	✗				
	12	✓	✗	✗	✗	✗	✗	✗	✓				
Color	black	✗	✓	✗	✗								
	blue	✗	✗	✗	✓								
	gray	✗	✗	✓	✗								
	white	✓	✗	✗	✗								

	Pump	Color	Gallons
Benjamin	<i>first</i>	<i>white</i>	<i>12</i>
Emma	<i>fourth</i>	<i>blue</i>	<i>8</i>
Grace	<i>third</i>	<i>gray</i>	<i>6</i>
William	<i>second</i>	<i>black</i>	<i>10</i>

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