

Franklin, who loves beer, went to Germany to complete his collection of beer mugs. In each city he visited, he bought one mug, and decided to only use that mug to a specific beer type. How big is the mug he bought in Dortmund?

1. The mug for dark beer holds twice as much as the red mug.

2. Exactly one of the beer types has the same initial as the city its mug was bought in.

3. The white mug holds 50 cl or was bought in Dortmund.

4. The mug for creamy beer is exactly one size larger than the mug from Essen.

5. The black mug isn't meant for amber beer, and isn't from Aachen.
6. The gray mug holds brown beer or is the biggest. However, it wasn't bought in Dortmund.

7. The red mug is from Aachen or Dortmund. The black mug is smaller than the gray one.

8. The mug from Berlin is exactly one size larger than the red mug.

9. The mug for creamy beer doesn't hold 50 cl.

		Size				City				Color			
		33 cl	50 cl	66 cl	100 cl	Aachen	Berlin	Dortmund	Essen	black	gray	red	white
Beer	Amber												
	Brown												
	Creamy												
	Dark												
Color	black												
	gray												
	red												
	white												
City	Aachen												
	Berlin												
	Dortmund												
	Essen												

	Size	City	Color
Amber			
Brown			
Creamy			
Dark			

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		Size				City				Color			
		33 cl	50 cl	66 cl	100 cl	Aachen	Berlin	Dortmund	Essen	black	gray	red	white
Beer	Amber	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗	✓	✗
	Brown	✗	✓	✗	✗	✗	✓	✗	✗	✗	✗	✗	✓
	Creamy	✗	✗	✗	✓	✓	✗	✗	✗	✗	✓	✗	✗
	Dark	✗	✗	✓	✗	✗	✗	✓	✓	✗	✗	✗	✗
Color	black	✗	✗	✓	✗	✗	✗	✓					
	gray	✗	✗	✗	✓	✓	✗	✗	✗				
	red	✓	✗	✗	✗	✗	✗	✓	✗				
	white	✗	✓	✗	✗	✗	✓	✗	✗				
City	Aachen	✗	✗	✗	✓								
	Berlin	✗	✓	✗	✗								
	Dortmund	✓	✗	✗	✗								
	Essen	✗	✗	✓	✗								

	Size	City	Color
Amber	33 cl	Dortmund	red
Brown	50 cl	Berlin	white
Creamy	100 cl	Aachen	gray
Dark	66 cl	Essen	black

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