

Question:

Donny can only drink water if it's at least 40 degrees. He has two mugs of water. One mug is 33 degrees. The other is an unknown temperature. If he pours 4 ounces of water from the 33-degree mug into his water bottle and one ounce from the other bottle he is now able to drink the water. At least how many degrees is the second bottle?

Reasoning + Answer:

<think> If Donny can drink the water now, that means the average temperature of the poured water is 40 degrees or higher. Thus, the combined temperature of the poured water is at least 80 degrees. Thus, the second mug has to be at least $80 - 33 = 47$ degrees. </think><answer>47</answer>