

Conditions

a complement of angle t is 14 times the measure of angle t . what is the measure of angle t

Solution

It's known, that the sum of an angle value and its complement is equal to 180 degrees. That's why:

$$t + 14t = 180, 15t = 180, t = \frac{180}{15} = 12 \text{ degrees}$$

Answer: 12 degrees