

**Water is boiled at 1 atm pressure in a coffee maker equipped with an immersion-type electric heating element. The coffee maker initially contains 1 kg of water. Once boiling started, it is observed that half of the water in the coffee maker evaporated in 12 min. If the heat loss from the coffee maker is negligible, what is the power rating of the heating element?**

Answer:

1.57 KW

Explanation:

given data:

P= 1 atm

T= 12 min

power rating=??

solution:

latent heat of vaporization (L) of water at 1 atm = 2257.5 KJ/Kg

half of the water is evaporated in 12 min

so power rating is,

$$=P \times L / 2.T$$

$$=1 \times 2257.5 / 2 \times 12 \times 60$$

=1.57 KW

Complete the square to transform the quadratic equation into the form  $(x - p)^2 = q$ .

The scale on the map shows that 1.5 cm represents 100 miles. If the distance on the map from Chicago to San Diego is 39.2 cm, approximately how many miles apart are the two cities? A) 225.3 miles

B) 2613.3 miles

C) 25.5 miles

D) 261.3 miles

If the area of a rectangle is  $12\text{cm}^2$  what is its length and width

These terms refer to civil rights activism. Give a brief definition or example of each one. Nonviolent protest

Boycott

Sit-in

Strike

the costs of running a business are called \_\_\_\_\_. a. startup costs b. cash flow c. operating expenses d. fixed costs

To what extent did immigrants give up their heritage to become Americanized, or fully assimilated into the existing culture?

Which of the following could be considered a negative side effect to instant information? A. the creation of the Associated Press B. the Panic of 1857 C. the Industrial Revolution D. the Transcontinental Railroad

What is the slope of the line that has an equation of  $y=x-3$ ?

Todd plans to swim 18 laps in a pool. Each lap is 50 yards. So far Todd has swam 738 yards. What percentage of the total has Todd completed?

What was good about Oregon

Why is water the universal solvent? solubility, solute, solvent, dissolve?

An important factor that brought changes to the hunter-gatherer way of life was that? a. there wasn't enough rain for the crops they planted to grow.

b. illness reduced their numbers.

c. men began to outnumber women and the number of gatherers declined.

d. large prey animals were becoming extinct.

How did framing the Cold War in absolute terms as a battle between freedom and slavery influence Americans' ability to understand many world events? Fan and medal

Factor the expression completely over the complex numbers.  $x^4 - 81$

A masculine culture values men more than women

The percent daily values found on a food label are based on

Han and greedo fir their blasters the blasts are loud and the intensity of the sound spreads through the cantina following the what

What is the value of  $(3-5)*(2) - 16- 2$ ?

-40

0 -16

???

24

56

1. [Home](#)
2. [More Solution](#)