

**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

Because the many small islands of Greece were unable to support large populations, \_\_\_\_\_

Visions of america how did religious leaders justify the salem witchcraft accusations? How did the trials impact new england law?

What impact did overgrazing have on afro-eurasian lands?

Is  $\frac{10}{3}$  an improper fraction? explain

What is the definition of an integer

Who made more commission this month? How much did she make? Salesperson A made 11% of \$67,530. Salesperson B made 8% of \$85,740. please help:)

Which two geographic features prevented enemies from attacking china

The metric unit for time is a \_\_\_\_\_. meter gram second liter

An anthropologist wants to learn about the Maya directly from their descendants. She wants to move to a country with the largest concentration of Mayan people. What country would be the best choice? Dominican Republic Cuba Costa Rica Guatemala

Identify the square root of three as either rational or irrational, and approximate to the tenths place. : ? 1.7 Irrational: ? 1.7 Rational: ? 1.8 Irrational: ? 1.8 Rational

Two point charges are originally placed a certain distance apart, and the force between them is measured. The two charges are then brought closer together so that the force between them increases by a factor of 25. By what factor was their separation decreased?

The number of visitors to a certain Web site triples every month. The number of visitors is modeled by the expression  $300 \cdot 3^m$ , where  $m$  is the number of months after the number of visitors was measured. Evaluate the expression for  $m = -1$ . What does the value of the expression represent in the situation?

Which economy is not associated with major industrial world economies A. Command

B. Market

C. Mixed

D. Traditional

According to life without gravity why can astronauts muscles become weak

What is the solution of the system defined by  $y = -x + 5$  and  $5x + 2y = 14$ ?

What is an example of an inert element??

Burt bought a house for \$250,000 and plans to rent it out for \$2,000 per month. his expected annual rate of return from renting the house is approximately:

5. In poetry, \_\_\_\_\_ is as important as content. A. personification

B. sound

C. figurative language

D. vocabulary

Student Answer: C

Answer: Incorrect

Reference: Assignment 1, objective 2.1

15. A definition of formal poetry is verse that

A. has no rhyme scheme.

- B. uses figurative language.
- C. is written in blank verse.
- D. sticks to certain traditional patterns.

Student Answer: C

Answer: Incorrect

Reference: Assignment 1, objective 1.4

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