

**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

Lisa cuts 3 grapefruit half has 8 segments. Write an expression that uses parentheses to group two factors. Solve. How many grapefruit segments are there in all? Which of the following branches/agencies of government have no direct roll in establishing the federal budget? A. the executive branch B. the legislative branch. C. the judicial branch D. the Office of Management and Budget..

Kathryn draws three pairs of intersecting lines. In each figure, she measures a pair of angles. What is a reasonable conjecture for Kathryn to make by recognizing a pattern and using inductive reasoning? When a pair of lines intersect, the vertical angles are acute.

When a pair of lines intersect, the vertical angles are congruent.

When a pair of lines intersect, all of the angles formed are congruent.

When a pair of lines intersect, all of the angles formed are right angles.

Which of these best describes how to prevent conflict

Imperfect tense Cuando yo era niño, yo \_\_\_\_\_ (JUGAR) mucho con mis hermanos

Cuando tú eras niño/a, tú \_\_\_\_\_ (IR) mucho a la casa de tu abuela, ¿no?

Cuando Oprah era niña, ella \_\_\_\_\_ (HABLAR) español con su abuela New york

Cuando Chase era niño, él \_\_\_\_\_ (PRACTICAR) alemán.

Cuando Mark era niña, ella \_\_\_\_\_ (LEER) libros con su madre.

Cuando Ud. era Jonah , ¿\_\_\_\_\_ (IR) mucho al médico?

Cuando nosotros éramos niños, \_\_\_\_\_ (COMER) en la cafetería

Cuando nosotros éramos niños, \_\_\_\_\_ (ESTUDIAR) en la biblioteca.

Cuando Zack y Trisha estaban en la escuela secundaria, ellas \_\_\_\_\_ (ESTUDIAR) juntas.

Jay fills a wagon with sand (about 20 kg) and pulls it with a rope 40 m along the beach. He holds the rope 25° above the horizontal. The rope exerts a 20-N tension force on the wagon. How much work does the rope do on the wagon?

HM was able to remember events, but could not learn new skills after his surgery. True

False

Early as the 9th century, it was suggested when organisms change, they may be better able to \_\_\_\_\_. reproduce

find a home

adapt to survive

?

Henry has \$21.50 to ride the trolley around San Francisco this week. It will cost him \$0.50 every time he rides. Identify the dependent variable and independent variable in this scenario.

What structure allows gases to enter a leaf

Faustus's powers corrupt him by making him \_\_\_\_ and \_\_\_\_\_. Select all that apply. A. mediocre B. unambitious

C. clumsy

D.greedy

The relationships between the concept of manifest destiny and the westward growth of the nation??

Jim has trouble deciding whether to buy a good-mileage, poor-maintenance mgb or a poor-mileage, easy-care camaro. Finally, he buys the mgb. According to cognitive dissonance theory, he will probably spend most of his time concentrating on:

To what volume should 11.9 mL of an 8.00 M acetic acid solution be diluted to obtain a final solution that is 1.50 M?

Moxie fox deposited \$30,000 in a savings account at 6% interest compounded semiannually. at the beginning of year 4, moxie deposits an additional \$60,000 at 6% interest compounded semiannually. at the end of six years, what is the balance in moxie's account?

Use the past tense of the verb to complete the following sentence. He \_\_\_\_\_ the car into the garage and parked it there. has driven drove drive is driving

How many amps are in a 3v battery?

Which supreme court decision determined that the court has the right to rule?

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