

**For a machine, the input force is 30 N, and the input distance is 2 m. Factoring in the effect of friction, what must be true about the work output? A. It must be greater than 60 J
B. It equals 60 J.
C. It must be less than 60 J**

Answer:

C. It must be less than 60 J

Explanation:

The work going into the machine is the product of the force and distance:

$$W = Fd$$

$$W = (30 \text{ N})(2 \text{ m})$$

$$W = 60 \text{ J}$$

The work out of the machine is less than this due to the frictional losses.

Answer:

C. It must be less than 60 J

Which symbol did Egyptian artists include in their works

Which statement is the clearest example of a theme? A.Never judge a book by its cover. B.Christine destroys her rival, Markus. C.The lion as a symbol of

courage D. Love that is forbidden by society

This pattern includes ___ extinction which tends to not disturb ecosystems as well as a ___ extinction in which ecosystems change drastically

Which layer of Earth is between asthenosphere and outer core?

The measure of how much salt will dissolve into 100 g of water is _____ A) Solubility

B) Solution

C) Solute

D) Solvent

A small sphere with a mass of 2.00×10^{-3} g

g

and carrying a charge of 5.20×10^{-8}

C

C

hangs from a thread near a very large, charged insulating sheet, as shown in the figure (Figure 1). The charge density on the sheet is 2.40×10^{-9}

C/

m

2

A portion of a research report says, "Gifted children—those under 14 and with an IQ over 130—are more likely to be popular than less-gifted children.

Furthermore, their popularity is related to stronger social skills, and this ability is evident with adults as well as with children." What portion of the statement

illustrates an operational definition? a. Gifted children are under 14 and score more than 130 on IQ tests. b. Gifted children are more likely to be popular. c. Gifted

children's popularity is due to stronger social skills. d. Gifted children's social skills are evident with adults as well as with children.

At a tree farm there are 9 rows of 36 spruce trees in each row. 14 of the spruce trees are blue spruce. How many spruce trees are not blue spruce?

The students are selling school pencils. If a red or green pencil is pulled from a bag, it is free. The bag contains: 5 red

10 green

15 yellow

20 blue

What is the probability that the first buyer will get a free pencil when randomly drawing one from the bag?

A. $\frac{3}{10}$

B. $\frac{1}{10}$

C. $\frac{2}{5}$

D. $\frac{1}{5}$

What percent of 47 inches is 45.9 inches?

The speed at which a certain computer can access the Internet is 2 megabytes per second. How fast is this in Megabytes per hour ?

How do hamlets comments about claudius in scene 2 contrast with the impression that claudius conveys of himself through his speeches?

A runner covers 40 m in 4.55 seconds ,what is their average velocity?

$$2x+y=4 \quad 6x+5y=16$$

if (x,y) is the solution to the given system of equation, what is the value of y ?

A condition in which gamete are the same size and shape is called monogamy

Avril invested 60,000 in a partnership with Lane, Jules, Ray, Ravi, and Petra. The total investment of all partners was \$320,000. What percent of the business does avril own?

How many hearts does a whale and shark have?

Mes amis et moi,nous/manger de la pizza

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