

To be safe, the engineers making the ride want to be sure the normal force does not exceed 1.5 times each persons weight - and therefore adjust the frequency of revolution accordingly. What is the minimum coefficient of friction now needed?

Answer:

The minimum coefficient of friction is 0.666

Explanation:

Suppose, In a classic carnival ride, patrons stand against the wall in a cylindrical shaped room. Once the room gets spinning fast enough, the floor drops from the bottom of the room! Friction between the walls of the room and the people on the ride make them the “stick” to the wall so they do not slide down. In one ride, the radius of the cylindrical room is $R = 7.6$ m and the room spins with a frequency of 20.9 revolutions per minute.

Given that,

The normal force does not exceed 1.5 times each persons weight

We need to calculate the minimum coefficient of friction

Using balance equation

Where, N = normal force

Put the value into the formula

Hence, The minimum coefficient of friction is 0.666

What is the value of the expression shown below? $7+(2+6)^2/4-(1 \text{ over } 2)^4$

A: 23

B: 18

C: 9

D: 8

The most stringent standard of judicial review of a government's actions in which the government must show that the law serves a "compelling state interest" is called

PLEASE HELP.BEST ANSWER GETS BRAINLEST. Could you 'define' one of these words.Please choose one of those words and try to write a story about that definition using characters of your choice.

time

sleep

beauty

family

home

broken

2.80=9(70)/I. I need a answer for i

If 375 miles in 5 hours how many miles per hour

What are the possible dimensions of a rectangular prism with this volume. $V=5y^3+7y^2+2y$

_____ believe that no one thing is intrinsically good. a. hedonists

b. deontologists

c. relativists

d. teleologists

e. pluralists

In order to make use of most renewable energy resources, we must _____.A) convert the concentrated nature of these natural resources to more usable formsB) solve the negative environmental impacts of these renewable energy resourcesC) persuade government officials of their abundanceD) capture and convert these diffuse energy sources into more concentrated formsE) further explore the tropical rainforests for natural products that will aid in these new technologies

What was one important result of the catholic reformation? A. The Council of Trent reaffirmed traditional doctrine, tried to and abuses and established new schools.

B. At the council of Trent , The Catholic church ended Protestantism in Europe.

C. Catholics and protestants established a spirit of cooperation.

D. Martin Luthers teachings were incorporated into church doctrine

At Lorenzo's workplace, the performance appraisal process includes measurements of organizational citizenship behaviors, such as volunteering for unpleasant tasks and helping new employees socialize into the work team. Lorenzo's employer is_____.

- a. enforcing job requirements.
- b. using inappropriate information.
- c. committing a halo error.
- d. relying on a ranking method.
- e. rating contextual performance.

Next number in sequence patter 7, 21, 8, 72, 9

A curator decides to display an eighteenth-century painting in a windowless room with controlled temperature and humidity. Pick the answer that best describes the reasons for her choice: (1 point) 1)The curator wants to make sure that the temperature and humidity are comfortable for visitors. 2)Keeping the temperature and humidity at a set level will save money. 3)The ultraviolet rays will damage the painting by fading and flaking the paint. 4)Ultraviolet rays will fade the paint pigment and high temperature and humidity will damage the paint.

Solve the equation by completing the square. Round to the nearest hundredth if necessary. $x^2 - x = 25$

Which are guiding principles of Washingtons government? check all that apply 1- the rule of law

- 2- popular demand
- 3- the protection of right
- 4- limited government
- 5- checks and balances
- 6- the separation of power
- 7- a single branch of government

Diabetes is the cause of the malfunctioning of which organ?

What is the difference between the photic zone and the aphotic zone in an aquatic biome? A. The aphotic zone receives sunlight, but the photic zone does not.

B. The photic zone contains living organisms, but the aphotic zone does not.

C. The photic zone receives sunlight, but the aphotic zone does not.

D. The aphotic zone contains living organisms, but the photic zone does not.

Which word correctly completes the sentence? The time to watch that television program has already _____. A. passed B. past

PLEASE MATH HELP WILL GIVE BRAINLIEST!!!!!! In a 45-45-90 triangle, what is the length of the hypotenuse when the length of one of the legs is 5 in.?

?5 in.

5?5 in.

2?5 in.

5?2 in.

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