

**Help! Halfway there. Two square pyramids have the same volume. For the first pyramid, the side length of the base is 16 in and the height is 28. On the 2nd pyramid the height is 112. What is the side length of the base of the 2nd pyramid?,**

Given:

$h$  = height

$s$  = slant height

$a$  = side length

$e$  = lateral edge length

$r$  =  $a/2$

$V$  = volume

$L$  = lateral surface area

$B$  = base surface area

$A$  = total surface area

Pyramid 1.

$h$  = 28 m

$s$  = 29.1204 m

$a$  = 16 m

$e$  = 30.1993 m

$r$  = 8 m

$V$  = 2389.33 m<sup>3</sup>

$L$  = 931.854 m<sup>2</sup>

$B$  = 256 m<sup>2</sup>

$A$  = 1187.85 m<sup>2</sup>

Pyramid 2

$h$  = 112 m

s = 112.071 m  
a = 7.99999 m  
e = 112.143 m  
r = 3.999995 m  
V = 2389.33 m<sup>3</sup>  
L = 1793.14 m<sup>2</sup>  
B = 63.9999 m<sup>2</sup>  
A = 1857.14 m<sup>2</sup>

The sum of three numbers is 117 . the third number is 3 times the second. the first number is 8 less than the second. what are the numbers?

Isaiah helped pick 72 bananas on the weekend. There were a total of 6 people picking bananas. If they each picked an equal number of bananas, how many bananas did each person pick?

The ball's height (in meters above the ground), xxx seconds after Antoine threw it, is modeled by:  $h(x) = -2x^2 + 4x + 16$  How many seconds after being thrown will the ball hit the ground? seconds

Why might social business be especially useful for global companies?

Give a real world example of two similar situations in which one is proportional relationship and the second one is non proportional

The energy-producing, or energy-storing, molecule is called \_\_\_\_\_. ATP protein glucose

When your driver license is \_\_\_\_\_, you are no longer licensed to drive. A. suspended

B. revoked

C. terminated

D. confiscated

Read the sentence. The final goal was kicked by Jake, and the Huskies won the game. Which is the best way to write this sentence in the active voice?

Read the excerpt below and answer the question. My father was the school principal. The day I was born, he caught a twenty-pound carp. He gave it to the school kitchen. All the teachers and boarding students tasted it. What symbol does the carp represent in this excerpt from Wang's "The Carp"? Select all that apply. accomplishment death hope innocence

Clarissa always needs to have something in her mouth. she is trying to give up smoking, but can't get throughout the day without sucking or chewing on her nails, pencils, or any other object she can get her hands on. freud would suggest that clarissa may be fixated in the \_\_\_\_\_ of psychosexual development.

leonhard wants to place a triangular-based cabinet in the corner of his rectangle-shaped living room. the triangular base has a length of  $2x + 3$  feet and a height of  $3x + 6$  feet. what value of x causes the cabinet to take up 6% of the living room floor?

a rectangular playground is 8 meters wide . it is 3 times as long as it is wide . what is the area of the playground?

What are the possible genotypes of a person with type B blood? A- BB or BO

B- only BB

C- BB or AB

D- only BO

How do mountains affect the physical and human geography of East and Southern Africa? Select all that apply. settlement patterns

river navigation

numerous natural harbors

energy production

easy transportation routes

coastal plain depth

Which directive is used when defining 64-bit IEEE long reals? a. REAL4

b. REAL8

c. REAL64

d. REAL

What does it mean if your eyes sting every morning?

In the role of symbolic figurehead representing the united states internationally, the president acts as the

Why might you need to measure a perimeter with a measuring tape instead of a ruler

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