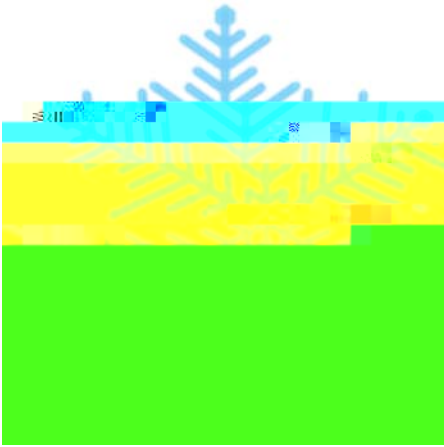


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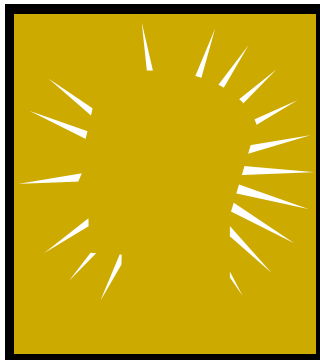
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Each bag to be loaded onto a plane weighs either 12, 18 or 22 lb. If the plane is carrying exactly 1000 lb. of lu

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Suppose there is a 40% chance of getting freezing rain, a 10% chance of getting snow and freezing rain, and an 80% chance of getting snow or freezing rain. Find the chance of getting snow.



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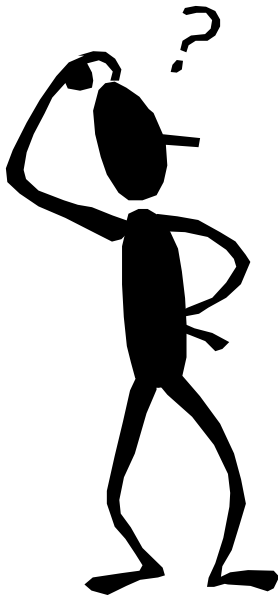
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Distinct points A , B , C , and D lie on the circle $x^2 + y^2 = 25$ and have integer coordinates. The distances AB and CD are irrational numbers.

What is the greatest possible value of the ratio $\frac{AB}{CD}$?

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If the 3rd and 12th terms of an arithmetic sequence are -7 and 56, respectively, then 28 is which term of the sequence?

