You are going to share pizza with a group o group orders a number of medium pizzas, t				
get 4 slices. If the group orders a number of large pizzas, you will get 3 slices. Which is the better deal for you?				
What do you need to know to solve this problem?				
(Write out your questions)				
Questions	Answers			
Now solve the problem in the space below.				
Solution: Medium or Large				
How?				

Name:_____

Pizza Time

Now let's say that you really like stuffed crust pizza. You are not concerned with which option gets you more pizza, but you want more of that tasty cheese filled crust. Which option will get your more crust?



What do you need to know to solve this problem?		
Questions	Answers	
Solution Space		
Solution: Medium or Large		
How?		

You are going to share pizza with a group of friends. If the group orders a number of medium pizzas, then you will get 4 slices. If the group orders a number of large pizzas, you will get 3 slices. Which is the better deal for you?



What do you need to know to solve this problem?

(Write out your questions)

Questions	Answers
How big are the pizzas?	-> Medium 12 indiameter
How big are the pizzas? ————————————————————————————————————	Large Itindiameter
How to figure out how to find -	Lo & Slices per pizza each
the area of a circle?	Area= T(radius)2

Now solve the problem in the space below.

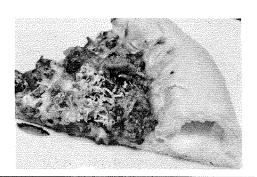
Medium	Large
(12in) radius = 6 in	(14in) radius = 7in
T(2-2/T(-1131,2	Area= 1772=49T1 ~ 153.9;
Area = TG2 = 36T = 113.1in2	8 Stices PerPizza
8 Slices per pizza	360 =45°
360=45°	Area of 1 Stice = 45 - 49 TT
Area of 1 Shae= 45.36TI	= 4 9977
Area of 1 Stice 360 50 = 13.0 T = 36T = 975 in 2 = 14.13	$=\frac{497}{8} \approx 19.2$ m ²
=36T = 975 in 217.11	3 Staces = 19.2-3 \$ 57.6in
451ices = 14.1.4 = 56.4 in2	3 31,003 - 17.2 3 % 3 7.6 17

Solution: Medium or Large

How?

The 3 slices of large pizza gives yo	ou 57.6in²
of pizza. The 4 slices of medium give	
you 56.4 in? Even though the medium has more slices, the large's slices are	
has more slices, the large's slices are	6.00
bigger individually.	

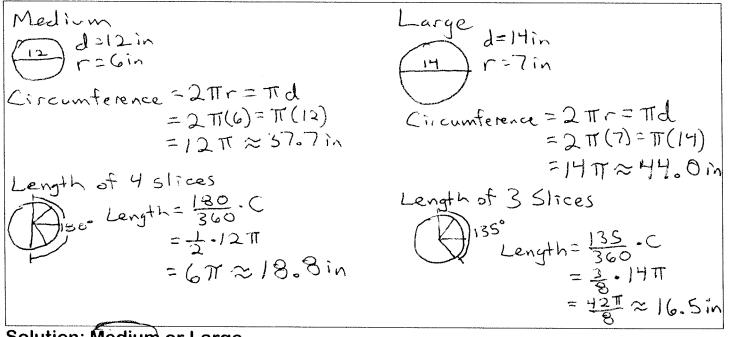
Now let's say that you really like stuffed crust pizza. You are not concerned with which option gets you more pizza, but you want more of that tasty cheese filled crust. Which option will get your more crust?



What do you need to know to solve this problem?

Questions	Answers
How big?	Medium 12 in diameter
How many slices?	Medium 12 in diameter Large 14 in diameter 8 Slices per Pizza
How to get the amount of	8 Slices per pizza
crust in one pizza?	- Use Circumterence
	$C=\pi d=2\pi r$

Solution Space



Solution: Medium or Large

How?

The length of crust would be more with the medium stices. The large pizza has a greater circumterence for the whole pizzas, but having more stices of the medium gives more crust.