

Custom Fences

You are working for a fence company. Your job is to match a standard fence package to your customers needs. Your five pool customers are enclosing swimming pool properties as required by law. Which fence package should you sell to each customer?

Fence Packages		
A	80 foot fence	\$800
B	120 foot fence	\$1000
C	180 foot fence	\$1500
D	240 foot fence	\$2000
E	500 foot fence	\$4000

Conditions:

- Use the pool dimensions and property information listed below.
- All fenced areas are rectangular, completely enclose the pool, and are measured in feet.
- A customer's dimensions may not match a standard kit exactly. Use your judgment to make the best fit. Use the least expensive fence package possible to save your customers money.
- Sketch the dimensions of each customer's property to be fenced on grid paper.
- Organize your information in the table on the next page.

Customer	Pool Dimensions (ft.)	Conditions/Yard Data	Fenced Area Dimensions (ft.)	Fencing Length Needed (ft.)	Fence Package
Ms. Clemons	Lap Pool 15 X 60	Wants some grass between pool and fence. Wants most area for the money.			
Mr. Bowers	Rectangular 30 X 75	Located on a 10-acre property. Wants room for a 10 by 12 bath house and a 20 foot deck inside the fence. Size and expense no problem.			
Mr. Wilson	Rectangular 18 X 30	Space limitations. Backyard is 30 X 40. Wants most area possible.			
Mrs. Gregory	Kidney Shaped 8 X 10	A 15-foot deck will form one side of the area to be fenced. Wants the deck to line up exactly with the fence.			
Ms. Quarry	Rectangular 15 X 24	Wants smallest perimeter of fencing possible. Needs a minimum of five feet of clearance on each side of the pool.			