# Case 20: Cleaning Supplies (I of VII) ZS Associates, Round 1

# Problem statement narrative Guidance for interviewer and information provided upon request(1) Your client is a Cleaning Supplies Manufacturer. They are trying to redesign their Sales Force and have approached you for advice Provide exhibits upon request

Xxxxx-xx/Footer - 62 -

<sup>(1)</sup> If detailed exhibits exist, they will be referenced in this box, and included in full on the following slide(s)

### Exhibit 1

# Case 21: Cleaning Supplies (II of VII) ZS Associates, Round 1

# There are four product lines:

		Current	<b>Prior Year</b>	
	# Customers	Revenue	Revenue	%Change
A	12,000	\$24 M	\$18 M	33%
В	24,000	\$30M	\$35M	-14%
C	6,000	\$24M	\$20M	20%
D	3,000	\$30M	\$18.5M	62%

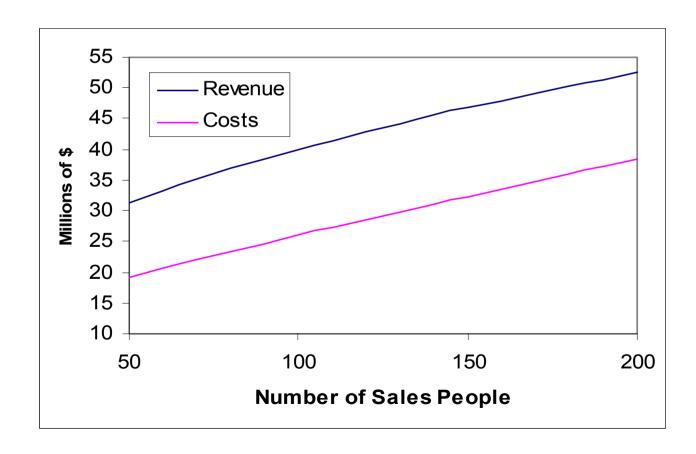
Which products would you concentrate on first and why?

Suppose a sales person can make 3,000 calls per year, and a customer must be called 10 times in order to make a sale. How many sales people should you hire?

Xxxxx-xx/Footer - **63** -

# Case 21: Cleaning Supplies (III of VII) ZS Associates, Round 1

The Research Team provided the following revenues and costs associated with the sales force Estimate the Optimum Sales Force



Xxxxx-xx/Footer - 64 -

# Case 21: Cleaning Supplies (IV of VII) ZS Associates, Round 1

In the previous slide, revenue is given by

Revenue = 3,000,000\*sqrt(N) + 10,000,000 (N = number of Sales People)

**Gross Margin = 80%** 

Fixed Costs = 8,000,000

Assume each sales person makes \$100,000 in salary and benefits

What is the optimum Sales force?

Xxxxx-xx/Footer - 65 -

### Exhibit 4

# Case 21: Cleaning Supplies (V of VII) ZS Associates, Round 1

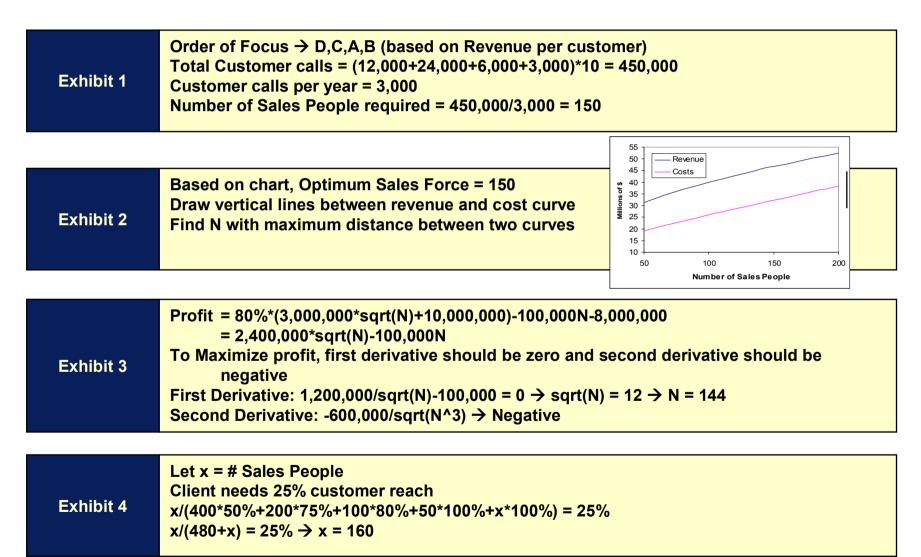
### Sales force information for the competition is as follows:

	# Sales People	% time working on sales calls
Client	?	100%
Comp 1	50	100%
Comp 2	100	80%
Comp 3	200	<b>75%</b>
Comp 4	400	<b>50%</b>

How many sales people should the client hire in order to achieve 25% of the industry's total coverage?

Xxxxx-xx/Footer - 66 -

# Case 21: Cleaning Supplies (VI of VII) ZS Associates, Round 1



Xxxxx-xx/Footer - 67 -

# Case 21: Cleaning Supplies (VII of VII) ZS Associates, Round 1

## Additional question for candidate

You have calculated different sizes for the sales force in each scenarios. What size sales force do you recommend?

### Recommendations

The optimum sales force ranges between 144 and 160 people. The recommended value should be closer to the lower end since the last calculation, 25% customer reach (N=160), doesn't necessarily translate to revenues.

Xxxxx-xx/Footer - 68 -