Price Discrimination



Intro to Price Discrimination

Price Discrimination

- Cost-plus pricing
- Price discrimination based on cost variation
- Price and margin waterfall
- Other incentives that lower costs
- Three principles of product line pricing
- Case application: Heinz Ketchup

By the end of this module you'll be able to...

- Utilize cost-plus pricing to determine prices
- Recognize the opportunity for price discrimination and use it to optimize prices
- Create price and waterfall margin charts to analyze your business

By the end of this module you'll be able to...

- Decide how to price a product line based on volume incentives
- Prevent margin leakage and improve price realization along the margin waterfall
- Apply knowledge of price discrimination and pricing through a distribution channel to analyze a real-world case

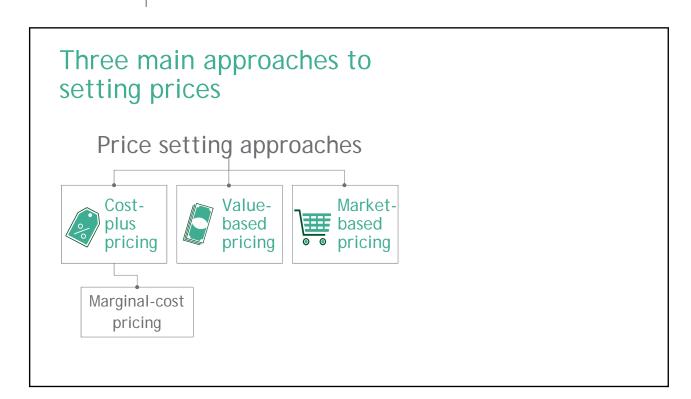
Cost-Plus Pricing

#6

Economics - Cost-plus pricing (Thomas)

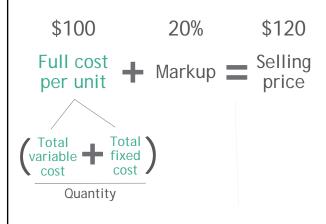
How does a business decide what to charge for its products?







Example calculation





Situations where sellers have sufficient pricing power



Transactions with very custom specifications and outcomes



Industries with regulated prices



Starting point to set the price for a new product



Advantages vs. disadvantages of cost-plus pricing



Advantages

- Simple to execute
- Guarantees targeted margin
- Intuitively understandable
- Easy to defend

Advantages vs. disadvantages of cost-plus pricing

Disadvantages

- Usually leads to sub-optimal pricing
- Promotes cost inefficiency
- Ignores opportunity cost
- Uses historical cost rather than current or future replacement value

Target-cost pricing

Cost-plus vs. target-cost pricing



With target-cost pricing, buyers set a product's price

Target-cost pricing











Market price per unit

Target cost per unit

Target margin

Buyer is Price setter

Seller is Price taker

Wrap-up



How would you go about setting the price for the product in this box?



#7

Economics - Price discrimination based on cost variations (Thomas)



Price discrimination

Price discrimination describes the practice of selling an identical product to different buyers at different sales prices

Synonyms

- Price differentiation
- · Differential pricing

Price discrimination vs. product differentiation

Branded spring water

- National brand
- Spring water
- · Priced higher



\$1.20

Different products



Different prices

Private label purified water

- No brand
- Purified water (not spring)
- Priced lower



\$0.65

Why do sellers discriminate when setting prices?

Improve margins

because they can

 Incentivize buyers to buy differently or more

because they have

 Sell to new customer segments to

Why do buyers accept price discrimination?

Higher prices

Price can be less important than other factors, e.g. convenience

Lower prices

Buyers can't afford to pay more and enjoy a 'good deal'



Cost of doing business often varies widely between different customers and transactions



Let's be honest...

Cost of doing business at an airport is certainly higher, but so much to justify a price of 3× more?

... probably not

So what else is going on?

Cost-based price discrimination helps sellers to optimize margins

Higher cost

Seller passes cost plus additional markup through to buyer

Lower cost

Seller passes only part of cost savings through to buyer

Wrap up

What you learned

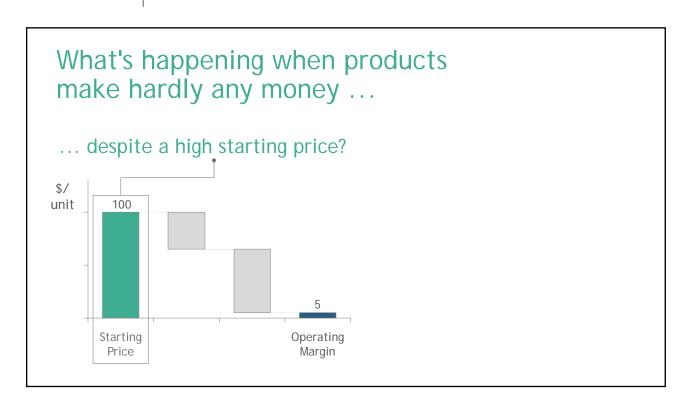
- Price discrimination and how it is motivated by differences in cost
- Product vs. price differentiation
- How price discrimination is used to optimize margins

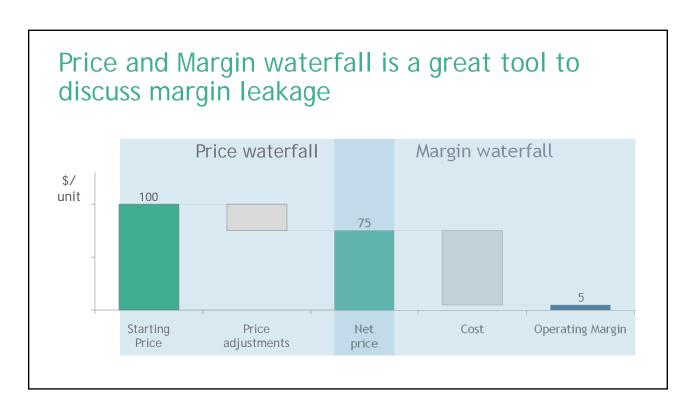
How could you discriminate prices in your business to improve margins?

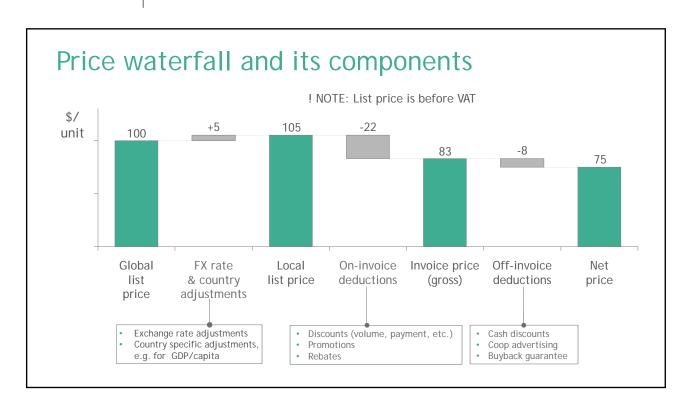
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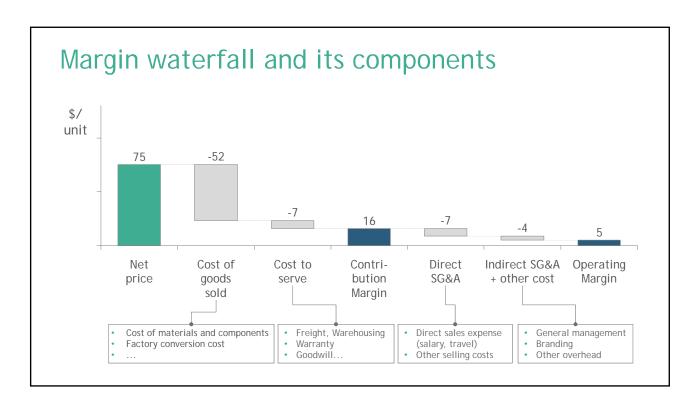
Economics - Price and margin waterfall (Thomas)

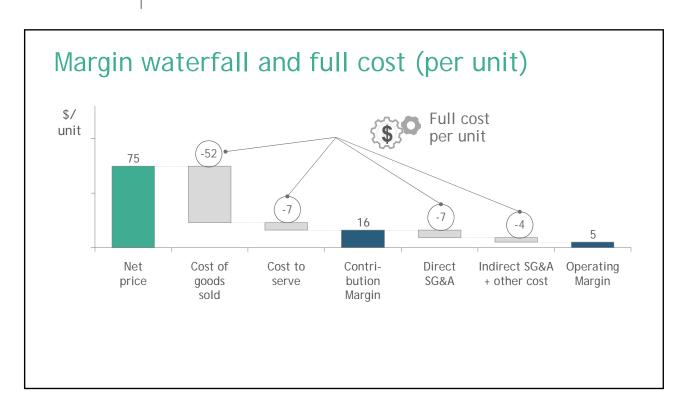


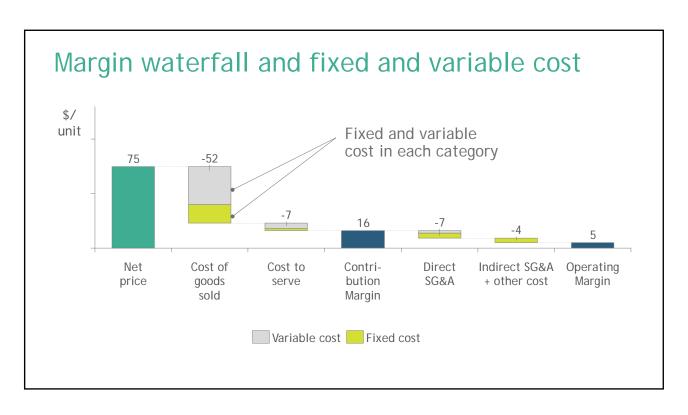












Closing thoughts

Price and margin waterfall

- ... illustrates relationship between price and margin
- ... great tool to discuss your business with stakeholders

Cost and margin buckets can be easily benchmarked to identify root causes of leakage

Closing thoughts

Often difficult to get the data. Do your best; its important to determine profitability

Select most useful dimensions when constructing waterfall charts

- Unit of analysis: a SKU, product category, or business segment
- Dimension of Y-axis: \$ per unit, absolute \$ or % of Net Sales

Product Line Pricing Principles

Product Line Pricing

- Very few companies sell only one product
- The products can have demand interrelationships
- These products may (or may not) be part of a product line.
- Product lines are generally constructed to try to achieve some level of price discrimination.

Types of Product Lines

Quality differentiated

K2 Skis



Types of Product Lines

- Quality differentiated
- Quantity differentiated

Heinz Ketchup



Quantity Differentiated Product Lines: 3 Principles

- Larger-size products should have a lower price on a per-unit basis than smaller-size products.
- The size of the per-unit price discount should be greater if people consume more of the item when they have a larger quantity on hand.
- The size of the per-unit price discount should be lower if the economic or psychological costs of an out-of-stock situation are high.

Quantity Differentiated Product Lines: Principle 1

- Larger-size products should have a lower price on a per-unit basis than smaller-size products.
 - Intuitive
 - Retailers will generally enforce this provision.

Quantity Differentiated Pricing: Principle 2

Quantity Differentiated Product Lines: Principle 2

- Larger-size products should have a lower price on a perunit basis than smaller-size products.
- The size of the per-unit price discount should be greater if people consume more of the item when they have a larger quantity on hand.

Product Line Pricing: Principle 3

Quantity Differentiated Product Lines: Principle 3

- Larger-size products should have a lower price on a per-unit basis than smaller-size products.
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Psychological Costs

- Cereal, yogurt
- Pharmaceuticals, toilet paper

#9

Economics - Other incentives to lower costs (Thomas)

How do lower costs benefit both buyers and sellers?



Seller wants to sell more and at better margins

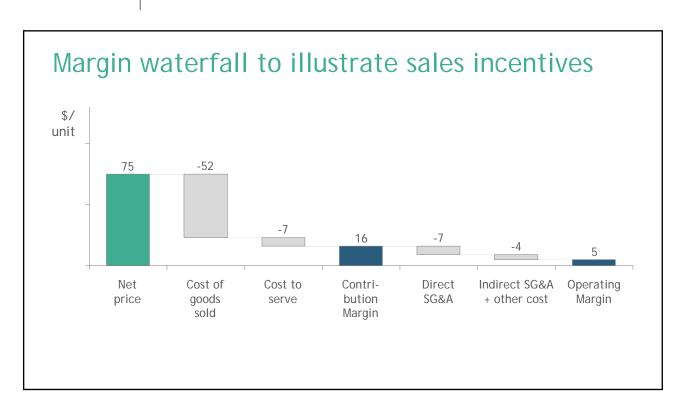


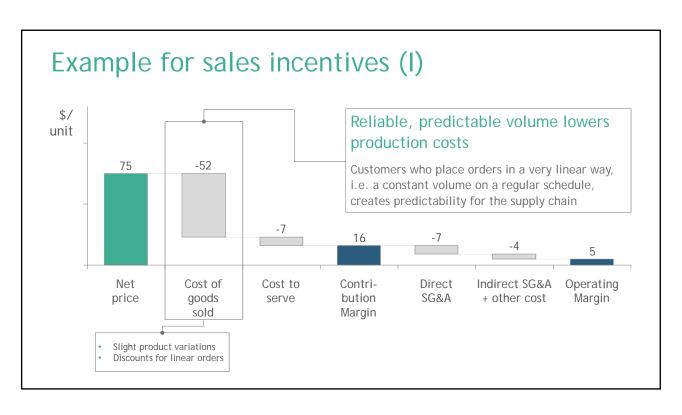
Buyer wants to pay less

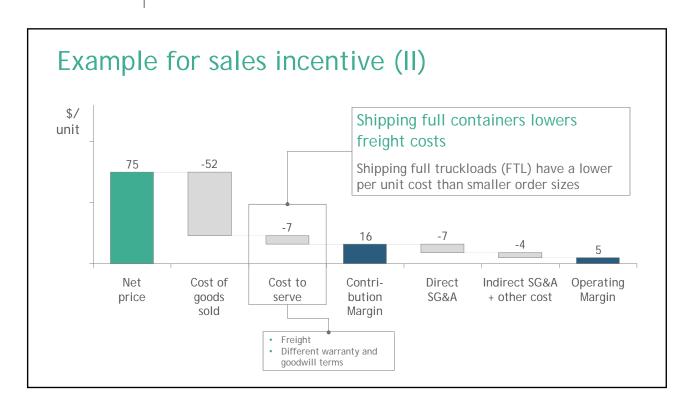
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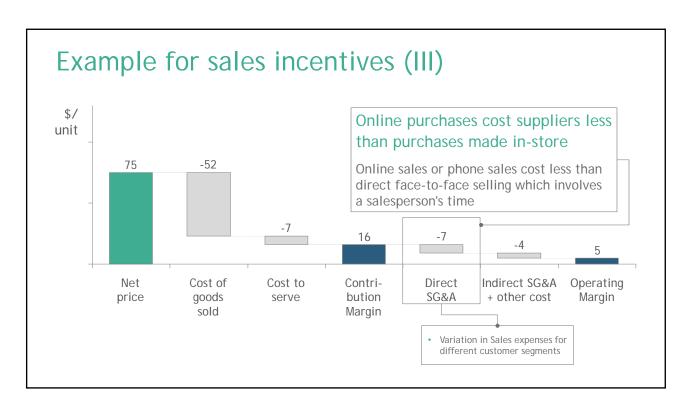
Win-win for buyer and seller!

Buyers need incentives to help sellers achieve lower costs









How can you use these categories to create sales incentives?

- How could you prevent margin leakage and improve price realization along the margin waterfall?
- What incentives to reduce cost might you design to create a win-win?

Module Takeaways

Price Discrimination Key Points

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