<u> Marginal Benefit & Marginal Cost</u>



- Marginal Benefit = Benefit derived by the customer from consuming the additional or incremental unit
- Marginal Benefit = Marginal Utility
- Marginal Benefit Curve = Demand Curve
- Marginal Cost = cost of producing the additional or incremental unit
- Marginal Cost Curve is similar to Supply Curve

Consumer Surplus



- Consumer surplus is the difference between willingness to pay for a good and the price that consumers actually pay for it.
- Individual Consumer Surplus = Max Price consumer is willing to pay
 Market Price
- Individual Consumer Surplus = Marginal Benefit Market Price
- The difference between a consumer's marginal benefit for a unit of consumption, and what they actually pay, represents how much benefit a consumer get's from the price they are paying.
- Total Consumer Surplus = Area of Triangle below demand curve up to the price level

Producer Surplus

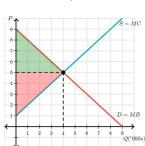


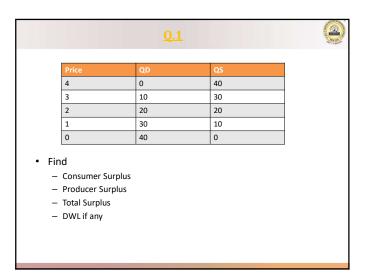
- Producer surplus is the difference between minimum expectation of price for a good and the price that producers actually receive for it.
- Individual Producer Surplus = Market Price Min. Expected Price
- Individual Producer Surplus = Market Price Marginal Cost
- The difference between a Producer's marginal cost for producing a unit, and what they actually receive, represents how much benefit a producer receives.
- Total Producer Surplus = Area of Triangle above supply curve up to the price level

Total Surplus



Total Surplus = Consumer Surplus + Producer Surplus





Allocative Efficiency and Deadweight Loss



- A market producing at equilibrium is achieving allocative efficiency, meaning that resource are allocated in the best possible manner to maximize total welfare among consumers and producers.
- Allocative efficiency is achieved when the price in the market creates a situation of QD=QS (also called as MB = MC)
- At any other price and quantity combination, the market would be allocatively inefficient. In this case, QD ≠ QS (also called as MB ≠ MC) and the situation creates a loss called as 'Deadweight Loss'

