Some Key definitions for revenue:

- Total Revenue = $P \times Q$
- **Average revenue** = total revenue divided by quantity sold.
- **AR** = **price** of a good or service. Price (AR) = Demand
- Marginal revenue = the change in total revenue as a result of selling one additional unit

Some big ideas:

- 1. Price taker
- 2. Profit maximisation

Webnote 157 Syllabus: Items 47-48

4 'Windows' to explain and evaluate competitive firm and how they behave

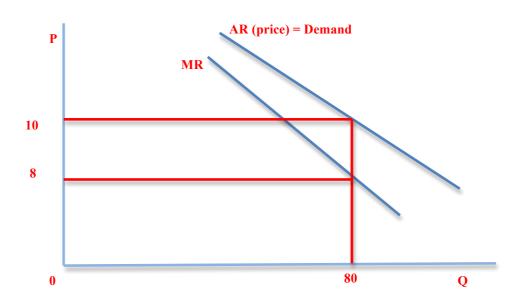
- 1. Size: Price and output of 4 models in the SR + LR
- 2. **Profit Maximisation:** 'profit finder' where MR=MC Supernormal/abnormal profits?
- 3. **Efficiency** (AC) (lowest point)
- 4. **Barriers** to Entry (anti competitive)

Others focus points include: economies of scale, non profit maximisation goals + price discrimination

Fig 1: Average revenue negatively sloped

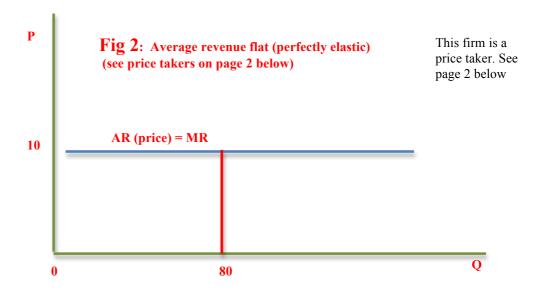
Downward sloping revenue curves whereby additional units are sold at a lower price i.e. markets get bigger at lower prices. These are relevant for the following models of competition:

- Monopolistic
- Oligopoly
- Monopoly



Horozontal/perfectly elastic revenue curves relevant for the following models of competition:

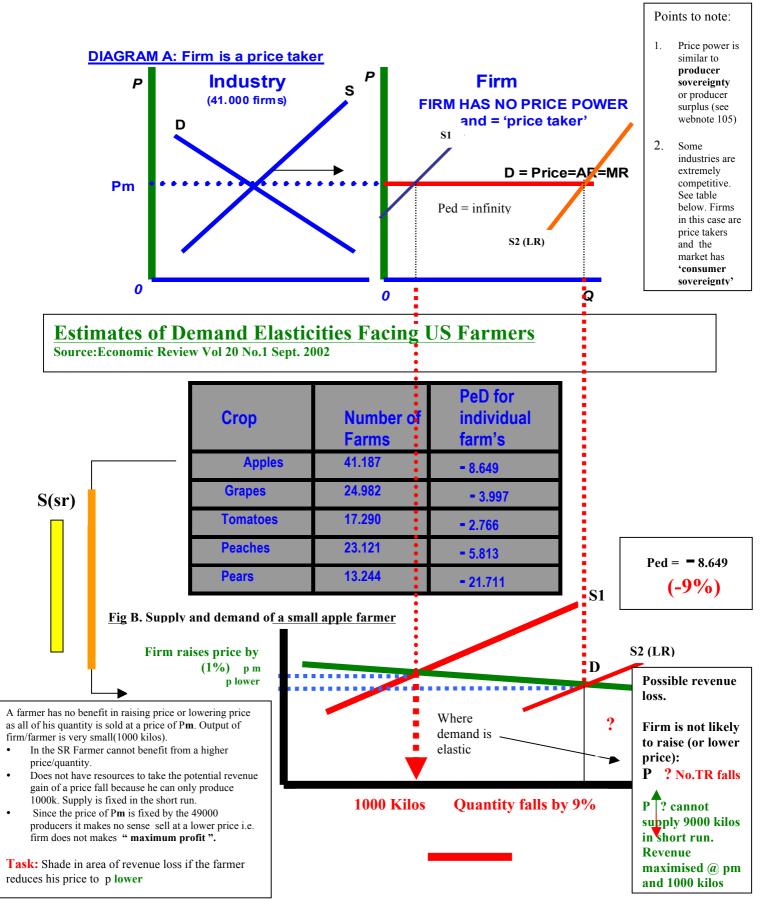
> • Perfect competition (each additional unit can be sold at the market price of 10



Webnote 157

Syllabus: Items 47-48

Economics Models: Why are some firms price takers?



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Webnote 157

Syllabus: Items 47-48

Is it realistic that a market price will remain constant as outlined in the price taker example above. Note that this price taker model is relevant for Perfect Competition.

Elasticity connection:

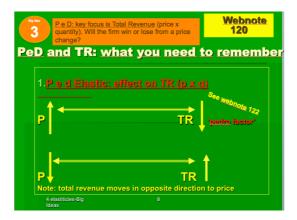
Elasticity to explain why a small firm in a very competitive market (e.g. 41.187 firms offering a substitute good e.g. apples is a price taker. This is important for the study of competitive models and this is a similar situation similar to the conditions that exist in the theortical model of Perfect Competition.

PED Calculation based on the US apple market: results are the same for a price rise and fall as an arc formula is used to calculate the average change based on a mid point formula (this formula is not in our syllabus).

Therefore:

Therefore the firm will not increase price as total revenue will fall. See table below. Can the firm therefore reduce price? The simple answer is 'yes' but why would a firm reduce it's price when it can sell all output at a higher price?

As a result the price is not likely to change and will remain fixed in the market in the short run.



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