

Price per kilogram,  $p$

$$\bar{p} = 20$$

$$\text{Demand, } X(p) = 100 - 5p$$

$$\text{Inverse demand, } p(x) = 20 - \frac{1}{5}x$$

$$p = 10$$

Market price,  $p = 10$

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$$X^* = 50$$

$$\bar{X} = n\bar{x} = 100$$

Market quantity of fish (kilograms),  $X$

