

# Checklist: Calculations at SL and HL

The items listed below include all possible calculations you may be asked to do in your IB exams. They are all explained, with examples, in the coursebook.

## Core (SL and HL)

### Chapter 3 Elasticities

- *PED*
- change in price
- change in quantity
- change in total revenue
- *YED*
- change in income
- change in quantity demanded
- *PES*
- change in price
- change in quantity

### Chapter 8 The level of overall economic activity

- nominal GDP using the expenditure approach
- nominal GNI from nominal GDP and income flows
- real GDP and real GNI using a price deflator
- real GDP per capita
- real GNI per capita

### Chapter 10 Macroeconomic objectives II: Low unemployment, low and stable rate of inflation

- unemployment rate
- inflation rate based on the CPI

### Chapter 11 Macroeconomic objectives II: Economic growth, sustainable level of debt

- rate of economic growth

### Chapter 13 Demand-side and supply-side policies

- real interest rates

### Chapter 16 Exchange rates and the balance of payments

- the price of a good in different currencies using exchange rates
- changes in the value of a currency
- elements of the balance of payments

## HL only

### Chapter 2 Competitive markets: Demand and supply

- consumer surplus and producer surplus

### Chapter 4 Government intervention in microeconomics

- effects on markets and stakeholders of:
  - price ceilings
  - price floors
  - indirect taxes
  - subsidies

### Chapter 5 Market failure and socially undesirable outcomes I: Common pool resources and negative externalities

- welfare loss due to:
  - negative externality of production
  - negative externality of consumption

### Chapter 6 Market failure and socially undesirable outcomes II: Positive externalities, public goods, asymmetric information and inability to achieve equity

- welfare loss due to:
  - positive externality of production
  - positive externality of consumption

## Chapter 7 Market failure and socially undesirable outcomes III: Market power

- profit
- marginal cost ( $MC$ )
- marginal revenue ( $MR$ )
- average cost ( $AC$ )
- average revenue ( $AR$ )

## Chapter 10 Macroeconomic objectives I: Low unemployment, low and stable rate of inflation

- construct a weighted price index

## Chapter 12 Economics of inequality and poverty

- construct a Lorenz curve from quintile data
- amount of indirect tax from an amount of expenditure
- total tax rates
- average tax rates

## Chapter 13 Demand-side and supply-side policies

- Keynesian multiplier
- effect on GDP of a change in an injection using the Keynesian multiplier

## Chapter 14 International trade: Part I

- quantity of exports and export revenue of an exporting country
- quantity of imports and import expenditure of an importing country
- opportunity costs to identify comparative advantage
- effects on stakeholders of tariffs
- effects on stakeholders of quotas
- effects on stakeholders of subsidies