

Week 8
Term 3
2020



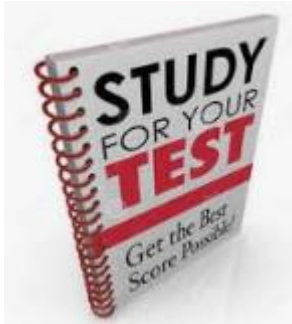
HAWKER COLLEGE

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Learning Brief

MA4

Goals



This week:

- Revise for your test
- Test
 - Thursday 10th Sept at 9:00 am – 11:00 am

Theoretical Components

Resources:

PDF file: All notes and exercise files from Week 1-7

Knowledge Checklist

Week 1/2

- Time series
- Time as the independent variable (on the x-axis)
- Secular, seasonal, cyclic, random trend
- Trend line
- Forecasting using the linear regression equation
- Smoothing out fluctuations
- Moving-average smoothing

Week 3

- Deseasonalising – removing seasonal variation
- Seasonal index
- Forecasting
- Reseasonalise
- Interpreting a spreadsheet

Week 4

- Concept of compounding
- Reducing balance
- Interest rate per period
- Repayment schedule
- Balance after repayment

Week 5

- Calculating growth factor, R
- Amount owing using the annuities formula (calculator)
- Calculating Q
- Reduction in Principal
- Calculating interest paid

Week 6/7

- Reducing balance loans
- Meaning of the variables A , P , n , r and R
- Number of weeks, fortnights, months and quarters in a year

Practical Components

All booklets and investigations should be completed and submitted by in Week 7.

Spend this week to catch up on any work you have yet to complete.

You should ensure that you have all 5 investigations neatly presented and marked. Remember that your investigations from this semester is worth 20% of your grade.

Spend this week's class time to prepare a 'cheat sheet' that will be useful to you. You are allowed to have two sides of an A4 page. This MUST be handwritten.

Investigation

None