

Week 6/7
Term 3
2020



HAWKER COLLEGE

Engage | Inspire | Achieve

Learning Brief

MA4

Goals



This week:

- calculate the effective annual rate of interest and use the results to compare investment returns and cost of loans when interest is paid or charged daily, monthly, quarterly or six-monthly
- with the aid of a calculator or computer-based financial software, solve problems involving compound interest loans or investments; for example, determining the future value of a loan, the number of compounding periods for an investment to exceed a given value, the interest rate needed for an investment to exceed a given value

Theoretical Components

Resources:

For this week the theory work is in the *PDF file*:
Week 6/7 Notes & Exercises

Knowledge Checklist

- Reducing balance loans
- Annuities formula
- Interest charged per period
- Calculating r and R
- Calculating n
- Meaning of the variables A , P and Q
- Number of weeks, fortnights, months and quarters in a year

Practical Components

There are questions to be answered in the booklet *Week 6/7 Notes & Exercises*.

Investigation

On HawkerMaths and attached to this week's work

On-line Quiz

Mathspace