Week 11/12
Term 4
2019

Learning Brief

EM4
Probability, Earth Geometry, Loans

Goals

This week and next week we are going to:

- use technology to investigate the effect of the interest rate and the number of compounding periods on the future value of a loan or investment
- use technology and a recurrence relation to model a reducing balance loan
- investigate the effect of the interest rate and repayment amount on the time taken to repay a loan

Theoretical Components

Resources
If you need additional help on depreciation, please watch these videos:
https://youtu.be/RHo_3kWaIJo
https://youtu.be/ziayge17w6g

Week 11 Knowledge Checklist

- Straight line depreciation
- Reducing balance depreciation
- Saving for a deposit
- Using on-line calculators

Week 12 Knowledge Checklist

- Repaying a mortgage – long term cost
- Repaying a mortgage – lump sum payment
- Repaying a mortgage – increasing payments
- Reading advertisements for property

Order

1. Work through the Week 11/12 notes and exercises
2. Do the investigation
3. Show me the completed booklet.
4. Write your journal entry for Week 12 and get it marked.

Practical Components

There are 6 Exercise Sets in the Booklet *Week 11/12 Notes and Exercises.* They are:

1. Depreciation
2. Reducing balance depreciation
3. Buying your first property
4. Percentages review
5. Repaying a mortgage
6. Reading advertisements and looking at property

Investigation

Attached to the end of the booklet.

QFO

Quiz/Forum/Other

Week 12: Complete a journal entry for this week.
Keep your journal entries up-to-date. ☺