Mohammed finished university with a student loan of £14,000.
He started work with a salary of £19,000 per year.
After one year, he had a pay rise of £1,500.
At the end of each full year of work:
● 9% of his earnings above £16,365 go towards paying off his loan
● interest of 1.5% of the outstanding amount is added to his loan.

How much will Mohammed still owe on his student loan after 2 full years of work?

(5)
What is our Core Maths qualification?
The Edexcel Level 3 Certificate in Mathematics in Context is a new post-16 qualification, designed to equip learners to develop and apply real-world maths skills, and progress to university, employment, or higher apprenticeships in a wide range of industry sectors, or professional training.
It reflects the content of the new GCSE (9-1) in Mathematics, which helps to provide a smooth learning transition.

Why is this qualification different?
Our accessible and relevant qualification aims to motivate learners and really engage them in the maths around them.
It uses real-world, relevant content, and offers a fresh assessment experience for learners with adult, context-based problem-solving tasks.

Who is this qualification suitable for?
Our Core Maths qualification is for students with a grade C or above in GCSE Mathematics.
It supports a wide range of Level 3 study, whilst preparing learners for the maths requirements of a number of higher education courses.
It’s also supported by Higher Education institutions and employers and recognised in UCAS points.

What’s the assessment model?
The Edexcel Mathematics in Context qualification uses a 100% exam assessment model, with common content for all learners, to ensure ease of delivery and progression opportunities in a wide range of areas and disciplines.

What content will I teach?
There are four content strands selected on the basis of their relevance and application to a wide range of areas of study and employment:

- Applications of Statistics
- Linear Programming
- Probability
- Sequences and Growth.

What support will I get?
We’ll ensure you’re supported to provide an enriching learning experience, so your students are engaged to continue their study of maths and can benefit from their improved skills and understanding as they prepare for Higher Education or work.
You’ll receive support for planning, delivery and assessment (including a scheme of work and mapping).

Learn more and download the specification and SAMs: www.edexcel.com/mathematicsincontext

Approved for the level 3 maths performance measure, and for the mathematics component of the TechBacc

UCAS Points
- Grade A = 60 points
- Grade B = 50 points
- Grade C = 40 points
- Grade D = 30 points
- Grade E = 20 points

Learn about support from the Core Maths support programme.
www.ncetm.org
Mohammed finished university with a student loan of £14,000. He started work with a salary of £19,000 per year. After one year, he had a pay rise of £1,500.

At the end of each full year of work:
- 9% of his earnings above £16,365 go towards paying off his loan
- Interest of 1.5% of the outstanding amount is added to his loan.

How much will Mohammed still owe on his student loan after 2 full years of work?

(Total for Question 8 is 5 marks)