

## Goals



### Unit goals

- Understand the concepts and techniques introduced in consumer arithmetic, algebra, matrices and shape and measurement.
- Apply reasoning skills and solve practical problems arising in these topics.

### This week the work is on

- Percentage review
- Percentage 'of' and percentage 'off'

## Theoretical components

### Resources:

PDF file: Week 1 Notes & Exercises

On-line resources: linked in the notes

### Knowledge Checklist

- Meaning of percentage
- Percentages as fractions
- 50%, 25% and 10% as benchmarks
- Percentages 'of' amounts
- Percentage 'off' amounts

### Order

1. Look at the Investigation.
2. Work through the booklet and online resources to develop the skills necessary to complete the Investigation
3. Complete the Investigation.
4. Complete the quizzes on Mathspace
5. Show your completed booklet to Toby/Jacqueline and submit the Investigation for marking.

## Practical components

There are questions to be answered in the booklet *Week 1 Notes & Exercises*

An important resource for us this year is *Mathspace*. This is an online resource.

For our 'class' the curriculum is *Mathematical Applications 11*.

For this week the topic is *Rates and Percentages*. The two lessons that will help you with this week's work are *Percentage of a Quantity* and *Percentage Problems*

## Investigation

Layla is buying a book that is 25% off. Before Layla pays, the seller tells her that if she pays by cash, she will get extra 10% discount on the 25% discounted price.

Is this same as 35% discount on the initial price?  
Use mathematics to verify your answer.

### On-line Quiz

There is a quiz on Mathspace to check your progress against the Knowledge Checklist