

# Essentials of Mathematics 10

Marks: 30% - Notebook Assignments and Case Study  
30% - Project Presentation  
40% - Chapter Test

## Chapter 1

### Exploration 1

- Read p. 13 - 17 and add to your "Glossary of New Terms"
- Do p. 16 "Project Activity" and store in your file
- Do p. 17 "Notebook Assignment" #1 - 3 on looseleaf paper and mark & correct

### Exploration 2

- Read p. 18 - 20 and add to your "Glossary of New Terms"
- Do p. 21 "Project Activity" and store in your file
- Do p. 22 "Notebook Assignment" #1 - 4 on looseleaf paper and mark & correct

### Exploration 3

- Read p. 23 - 26 and add to your "Glossary of New Terms"
- Do p. 26 "Notebook Assignment" #1 - 15 on looseleaf paper and mark & correct

### Exploration 4

- Read p. 30 - 33 and add to your "Glossary of New Terms"
- Do p. 34 "Notebook Assignment" #1 - 13 on looseleaf paper and mark & correct (be careful about putting answers into hours and minutes versus decimal fractions of an hour)

### Exploration 5

- Read p. 36 - 39 and add to your "Glossary of New Terms"
- Do p. 40 "Notebook Assignment" #1 - 9, 11, 12, 14 - 16 on looseleaf paper and mark & correct

### Exploration 6

- Read p. 54 - 62 and add to your "Glossary of New Terms"
- Do p. 62 "Project Activity" and store in your file
- Do p. 62 "Notebook Assignment" #1 - 9, 11 on looseleaf paper and mark & correct

### Exploration 7

- Read p. 65 - 67 and add to your "Glossary of New Terms"
- Do p. 68 "Project Activity" and store in your file
- Do p. 68 "Notebook Assignment" #1 - 6 on looseleaf paper and mark & correct (Try to find someone in class to do the questions together although you should each write out your answers separately.)
- Try p. 70 for fun for half an hour if you want a break

### Exploration 8

- Read p. 71 - 73 and add to your "Glossary of New Terms"
- Do p. 73 "Project Activity" and store in your file
- Do p. 73 "Notebook Assignment" #1 - 17 on looseleaf paper and mark & correct (Make sure you know how to calculate rates of increase - ask teacher if you don't know.)

### Exploration 9

- Read p. 76 - 77 and add to your "Glossary of New Terms"
- Read Do p. 77 "Project Activity" and store in your file
- Do p. 77 "Notebook Assignment" #1 - 3 on looseleaf paper and mark & correct

### Chapter Review

- Do p. 79 #1 - 9, and 15 to prepare for a written test on the chapter. The written test will be an alternate version of the chapter review.

### Case Study

- Do p. 88 #1 - 3 jointly with a partner and mark & correct. Put both names on it and hand it in.

### Project Presentation

- Do p. 87 #1 - 6. Do the "Extension" if you want bonus marks.

# Essentials of Mathematics 10

## Chapter 2

### Exploration 1

- Read p. 92-96 and add to your “Glossary of New Terms”
- Do p. 96 “Project Activity” and store in your file
- Do p. 97 “Notebook Assignment” #1 - 12 (get forms from forms file) on looseleaf paper and mark & correct

### Exploration 2

- Read p. 100-101 and add to your “Glossary of New Terms”
- Do p. 101 “Project Activity” and store in your file
- Do p. 102 “Notebook Assignment” #1, 3, 5, 7, 8 (get forms from forms file) on looseleaf paper and mark & correct

### Exploration 3

- Read p. 105-108 and add to your “Glossary of New Terms”
- Do p. 108 “Notebook Assignment” #1, 4, 6, 7 on looseleaf paper and mark & correct

### Exploration 4

- Read p. 112-116 and add to your “Glossary of New Terms”
- Do p. 117 “Notebook Assignment” #1, 2, 5, 9, 10 (get forms from forms file) on looseleaf paper and mark & correct

### Exploration 5

- Read p. 127-131 and add to your “Glossary of New Terms”
- Do p. 131 “Project Activity” and store in your file
- Do p. 132 “Notebook Assignment” #1 - 5 on looseleaf paper and mark & correct

### Exploration 6

- Read p. 133-135 and add to your “Glossary of New Terms”
- Do p. 136 “Notebook Assignment” #1 - 5 (get forms from forms file) on looseleaf paper and mark & correct

### Chapter Review

- Do p. 137 #1 - 12 to prepare for a written test on the chapter. The written test will be an alternate version of the chapter review.

### Case Study

- Do p. 143 #1 - 5 jointly with a partner and mark & correct. Put both names on it and hand it in.

### Project Presentation

- Do p. 142 Get teacher approval for the form your presentation will take before you put it together.

# Essentials of Mathematics 10

Chapter 3: In this chapter, if you cannot figure out how to use a computer for word processing and spreadsheets, and how to save your work on disk, then ask the teacher for help.

- O Read p. 145 and add to your "Glossary of New Terms"
- O Do p. 146 "Project Activity" (at bottom of page) and store in your file

## Exploration 1

- O Read p. 147-149 and add to your "Glossary of New Terms"
- O Do p. 150 "Project Activity" and store in your file
- O Do p. 151 "Notebook Assignment" #1, 2 on looseleaf paper and mark & correct

## Exploration 2

- O Read p. 152-156 and add to your "Glossary of New Terms"
- O Do p. 156 "Project Activity" and store in your file
- O Do p. 157 "Notebook Assignment" #1, 2 on looseleaf paper and mark & correct

## Exploration 3

- O Read p. 159-162 and add to your "Glossary of New Terms"
- O Do p. 163 "Notebook Assignment" #1 - 9 on looseleaf paper and mark & correct

## Exploration 4

- O Read p. 166-169 and add to your "Glossary of New Terms"
- O Do p. 169 "Project Activity" and store in your file
- O Do p. 169 "Notebook Assignment" #1 - 4 on computer and print answers out

## Exploration 5

- O Read p. 171-173 and add to your "Glossary of New Terms"
- O Do p. 173 "Project Activity" and store in your file
- O Do p. 173 "Notebook Assignment" #1 - 4 on computer and print answers out

## Exploration 6

- O Read p. 175-178 and add to your "Glossary of New Terms"
- O Do p. 179 "Notebook Assignment" #1 on computer and print answers out

## Exploration 7

- O Read p. 181-184 and add to your "Glossary of New Terms"
- O Do p. 184 "Project Activity" and store in your file
- O Do p. 184 "Notebook Assignment" #1 on computer and print answers out (do Extension for bonus marks if desired)

## Chapter Review

- O Do p. 79 #1 - 5 to prepare for a written test on the chapter. The written test will be an alternate version of the chapter review.

## Case Study

- O Do p. 194 jointly with a partner and mark & correct. Put both names on it and hand it in.

## Project Presentation

- O Do p. 192.

# Essentials of Mathematics 10

## Chapter 5      O Read p. 247-251 and add to your “Glossary of New Terms”

### Exploration 1

- O Read p. 252-253 and add to your “Glossary of New Terms”
- O Do p. 253 “Project Activity” and store in your file
- O Do p. 253 “Research Activity” Find at least 3 pictures of different items and paste into your notebook with a caption for each one that describes how it is a scale model, and who would use the model.

### Exploration 2

- O Read p. 254-260 and add to your “Glossary of New Terms”
- O Do p. 261 “Project Activity” and store in your file
- O Do p. 261 “Notebook Assignment” #1 - 13 on looseleaf paper and mark & correct

### Exploration 3

- O Read p. 265-268 and add to your “Glossary of New Terms”
- O Do p. 269 “Notebook Assignment” #1-17 on looseleaf paper and mark & correct

### Exploration 4

- O Read p. 276-278 and add to your “Glossary of New Terms”
- O Do p. 279 “Project Activity” and store in your file
- O Do p. 279 “Notebook Assignment” #1-7 on looseleaf paper and mark & correct

### Exploration 5

- O Read p. 281-284 with one or two partners and add to your “Glossary of New Terms”
- O Do p. 285 “Project Activity” and store in your file
- O Do p. 285 “Notebook Assignment” #1-13 on looseleaf paper and mark & correct

### Exploration 6

- O Read p. 289-293 and add to your “Glossary of New Terms”
- O Do p. 293 “Project Activity” and store in your file
- O Do p. 294 “Notebook Assignment” #1 - 9 on looseleaf paper and mark & correct

### Exploration 7

- O Read p. 297-300 and add to your “Glossary of New Terms”
- O Do p. 300 “Project Activity” and store in your file
- O Do p. 301 “Notebook Assignment” #1 - 5 on looseleaf paper and mark & correct

### Exploration 8

- O Read p. 303-304 and add to your “Glossary of New Terms”
- O Do p. 305 “Project Activity” and store in your file
- O Do p. 301 “Notebook Assignment” #1 - 7 on looseleaf paper and mark & correct

### Exploration 9

- O Read p. 311-313 and add to your “Glossary of New Terms”
- O Do p. 314 “Project Activity” and store in your file
- O Do p. 314 “Notebook Assignment” #1 - 7 on looseleaf paper and mark & correct

### Exploration 10

- O Read p. 317-323 and add to your “Glossary of New Terms”
- O Actually build the clinometer and use it as noted on pages 318 and 319
- O Do p. 324 “Notebook Assignment” #1 - 9 on looseleaf paper and mark & correct

### Chapter Review

- O Do p. 327 #3-6, 10-12, 14, 16-18, 22, 23, 26-31, to prepare for a written test on the chapter. The written test will be an alternate version of the chapter review.

### Case Study

- O Do p. 334

### Project Presentation

- O Do p. 333 Get teacher approval for the form your presentation will take before you put it together.