





# Tenbury High Ormiston Academy Maths Department

Stage 7 Home Learning project Spring term 1

Name:

Maths teacher:

LMG:

If you have any problems with any of the tasks then please ask your class teacher or pop along to homework club on Tuesday, Wednesday or Thursday lunchtimes.

For assessment criteria please see the school websites new homework page.

Alltasks should be completed in your maths book and clearly labelled homework.

## Task 1: Mathematical definitions

In your homework book write a definition for each of the following terms and give an example where possible.

Proportional reasoning	Pattern sniffing	
Ratio	Pattern	
Proportion	Term	
Compare/comparison	Sequence	
Common factor	Term-to-term rule	
Convert	Ascending	
Unit	Descending	

Measuring space	Investigating angles	
Capacity	Acute	
Volume	Obtuse	
Metric	Reflex	
Imperial	Vertical	
Compound measurements	Alternate	
	Corresponding	



<u>Task 3:</u> Create one of the following resources to explore the idea of **converting between metric units of measurement**.

- a presentation
- prepare a starter activity
- a game

You should be prepared to share this in a group for peer assessment.

## Task 4: Computer based homework task - Angles

Using <u>www.corbettmaths.com</u> watch the following videos and answer the questions set in your homework book. You <u>must show all your working out.</u>

### Video 25 Angles in parallel lines

Green	Amber	Red	Killer
Textbook exercise Q1 and Q2	Textbook exercise Q2 and Q3	Textbook exercise Q3d-f and	Textbook exercise Q4 and
		Q4 and Apply questions 1 - 2.	Apply questions 1 - 5.

#### Video 37 Angles in triangles

Green	Amber	Red	Killer
Textbook exercise Q1 and Q2	Textbook exercise Q2 and Q3	Textbook exercise Q4 and	Textbook exercise Q4 and
	and Q4a-c.	Apply questions 1-3.	Apply questions 1 - 7.