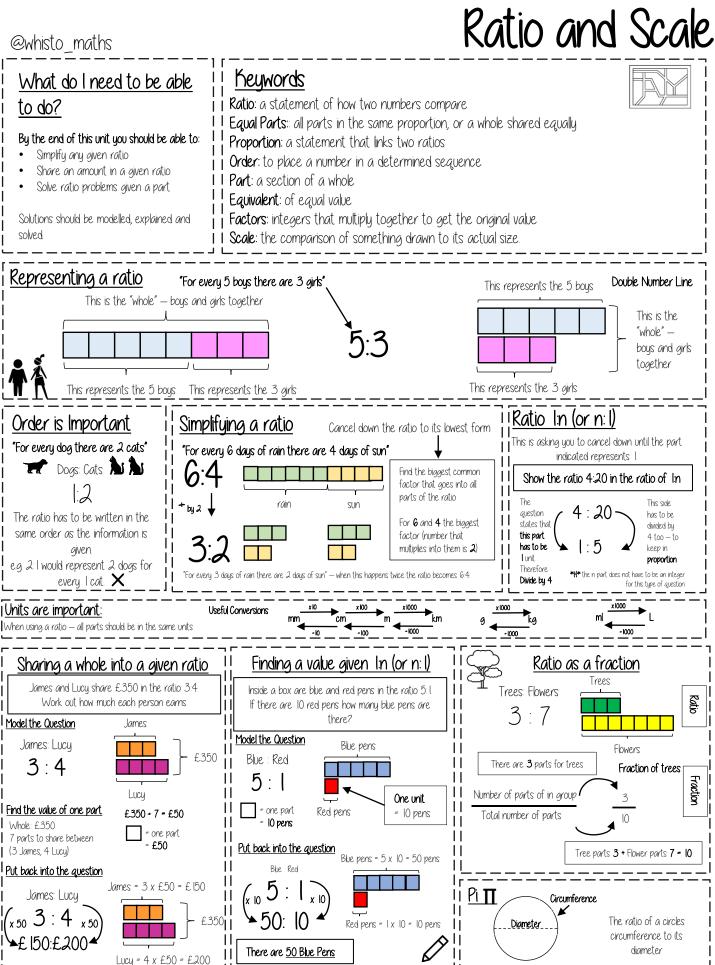
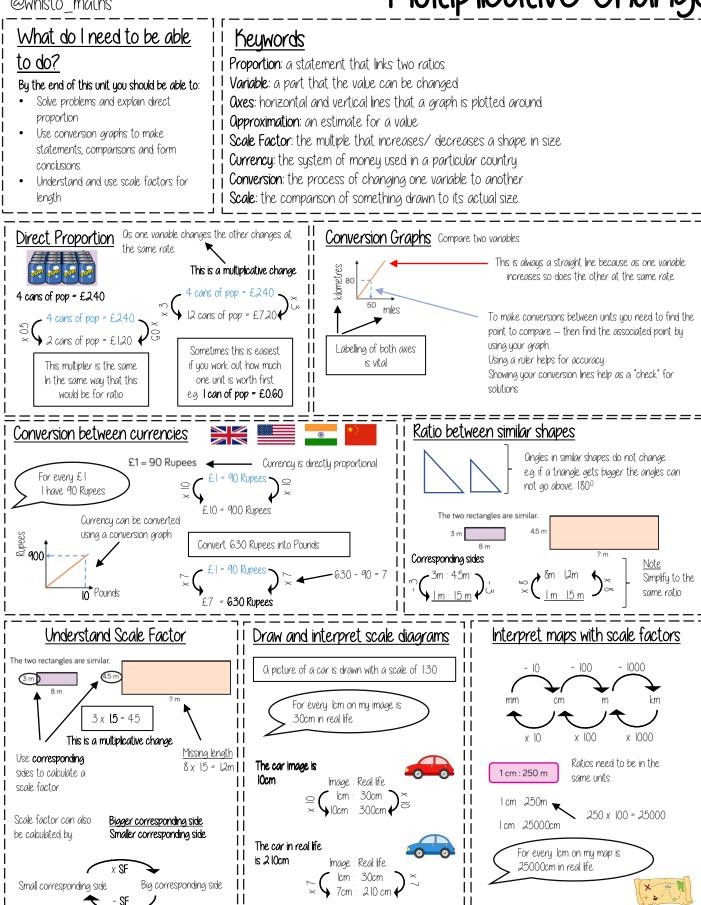
## YEAR & - PROPORTIONAL REASONING

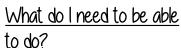
#### @whisto maths



### YEAR 8 - PROPORTIONAL REASONING... @whisto\_maths Multiplicative Change



# YEAR 8 - REPRESENTATIONS... <u> *Working in the Cartesian plane*</u>



### By the end of this unit you should be able to:

- Label and identify lines parallel to the axes
- Recognise and use basic straight lines
- · Identify positive and negative gradients
- Link linear graphs to sequences
- Plot y = mx + c graphs

#### Keywords

- Quadrant: four quarters of the coordinate plane.
- Coordinate: a set of values that show an exact position.
- Horizontal: a straight line from left to right (parallel to the x axis)
- Vertical: a straight line from top to bottom (parallel to the y axis)
- Origin: (0,0) on a graph. The point the two axes cross
- Parallel: Lines that never meet
- Gradient: The steepness of a line
- I I Intercept: Where lines cross

