

# Level 7 means that I can...

- Round to one significant figure
- Understand what happens when we multiply or divide by numbers between 0 and 1
- Multiply and divide numbers of any size efficiently
- Understand proportional change
- Describe in symbols the rule for the next term or  $n^{\text{th}}$  term in a sequence (Quadratic)
- Multiply out and simplify quadratic expressions
- Solve simultaneous equations with two variables using graphs and algebra
- Solve simple inequalities like  $6(2n+1) \geq 18$
  
- Understand and use Pythagoras' Theorem in 2D
- Calculate lengths, areas and volumes in prisms
- Enlarge a shape by a fractional scale factor
- Understand similarity
- Draw the locus of a moving object
- Find and understand upper and lower bounds
- Use compound measures like speed, distance and time
  
- Give and test a hypothesis to a situation
- Understand bias
- Find the modal class and an estimate to the mean, median and range when using grouped data
- Compare distributions using frequency polygons
- Draw a line of best fit on a scatter diagram
- Understand and use relative frequency

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