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| Learner stage | What I should know, understand, be able to explain or do |
| Exceptional Mastery (E) | I can solve problems involving frustums.  I can use complex tree diagrams without replacement. |
| Advancing mastery (A) | I can work out the mean from a frequency table.  I can work out an estimate for the mean from a grouped frequency table.  I can work out the median from a frequency table.  I can identify the averages from a stem and leaf diagram.  I can describe the advantages and disadvantages of using each average.  I can identify misleading graphs.  I can calculate the length of arcs and areas of sectors.  I can calculate the surface area and volumes of pyramids, cones and spheres.  I can use tree diagrams to calculate probabilities with two or more events with replacement. |
| Secure mastery (S) | I can work out the mean and median from a set of data.  I can identify the modal class from a frequency table.  I can display data in a stem and leaf diagram.  I can construct and interpret pie charts.  I can construct and interpret scatter graphs.  I can convert between metric units of volume.  I can calculate the volume and surface area of all prisms.  I can calculate the area and circumference of a circle.  I understand mutually exclusive events.  I can estimate probability based on experimental data.  I can fill in sample space diagrams. |
| Developing mastery (D) | I can work out the mode and the range from a set of data.  I can identify an outlier from a set of data.  I can convert between metric units of area.  I can calculate the volume and surface area of cubes and cuboids.  I can recall the formulae for working out the area and circumference of a circle.  I can list and count outcomes.  I can calculate probability based on equally likely outcomes. |
| Foundation mastery (F) | I can identify the difference between the mean, mode, median and range.  I can convert between metric units.  I can use probability language correctly. |