

Primary Mathematics Subject Knowledge Audit

The subject knowledge audit is designed to assess essential subject knowledge and understanding needed by primary teachers. It includes a range of numeracy skills outlined in the numeracy framework and the subject knowledge and understanding required to teach the National Curriculum **for all** pupils at Key Stage 2.

Through all questions it would be expected that you are able to:

- understand and use appropriate mathematical language
- select appropriate mathematics and techniques to use
- calculate accurately and efficiently using appropriate methods
- select and apply appropriate checking strategies
- interpret answers within the context of the problem and consider whether the answers are sensible

It is essential that you are familiar with the year 6 vocabulary list (available at http://www.belb.org.uk/downloads/num_mathematics_vocabulary.pdf) and appropriate definitions (e.g. <http://www.amathsdictionaryforkids.com/>)

Skills Audited
Choose an appropriate and efficient written method to: • add and subtract numbers using whole numbers and decimals • multiply 2- and 3- digit numbers by a 2-digit number • divide 3-digit numbers by a 2-digit number
Use and apply mathematical language in relation to calculations
Recognise and describe properties of numbers using appropriate symbols and vocabulary
Understand and use fractions, decimals and percentages and related equivalences
Be able to identify and describe number sequences and patterns
Identify and describe the properties of 3D shapes
Identify and describe properties of 2D shapes
Use Cartesian co-ordinates in all four quadrants
Be able to reflect, rotate and translate shapes within all four quadrants
Be able to use measures and use the vocabulary and properties related to measures e.g. length/mass/volume/rotation (angles)
Be able to use and interpret data and be able to use the vocabulary associated with data (including the language of probability)