

Standards in Adult Numeracy

Level 2

The Skills for Life Numeracy test at Level 2 assesses whether an adult meets the following national standard:

1 Understanding and using mathematical information

At this level, adults can

Read and understand

mathematical information used for different purposes and independently select and compare relevant information from a variety of graphical, numerical and written material

2 Calculating and manipulating mathematical information

At this level, adults can

Generate results

to an appropriate level of accuracy using methods, measures and checking procedures appropriate to the specified purpose

An adult will be expected to:

- Read, write, order and compare positive and negative numbers
- Carry out calculations using whole numbers of any size
- Use formulae consisting of words and symbols
- Calculate ratios and proportions *eg. 3:2*
- Use fractions to make comparisons and calculations
- Use decimals to make comparisons and calculations
- Add, subtract, multiply and divide decimals up to three places
- Use percentages to make comparisons and calculations
- Make calculations of common measures, *eg time, distance, money, weight, capacity*
- Calculate between units *eg. 1kg = 2.2lbs*

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- Use formulae to calculate the area, perimeter, and volume of shapes including composite shapes, cuboid, cylinder
- Calculate dimensions from scale drawings
- Extract discrete and continuous data from tables, diagrams, charts and line graphs
- Calculate and use statistical measures, *eg. mean, median, mode, range*
- Use probability to identify the possible outcomes of combined events
- Use electronic or mechanical aids, *eg. calculator*

3 Interpreting results and communicating mathematical information

At this level, adults can

Present and explain results

clearly and accurately using numerical, graphical and written formats appropriate to purpose, findings and audience

An adult will be expected to:

- Use whole numbers, common fractions, decimals and percentages to present results
- Select and use measures and units to define quantities
- Use tables, charts, diagrams and line graphs to draw conclusions and present results
- Use approximation to corroborate and confirm results
- Select and use appropriate methods and forms to present and explain outcomes