

Essential Skills Wales

APPLICATION OF NUMBER

Important notes:

1. Each level of the skill incorporates and builds on the previous levels.
2. This document must be read in association with the documents 'Amplification of evidence requirements' and 'Application of Number Mandatory Definitions' which provide mandatory detail about each component and are a constituent part of the standards.

Entry level 3

This is about demonstrating your skills in:

- understanding numerical data
- carrying out calculations
- interpreting results and presenting findings

in order to tackle problems or tasks that you meet in education, training, work and social roles.

NE3.1 Understand numerical data

You must provide evidence that you can:

NE3.1.1

Confirm that you understand a given practical problem or task involving numbers, measures, simple shapes, and diagrams.

NE3.1.2

Confirm how you will tackle it.

NE3.1.3

Obtain, read, understand and record data from at least two sources to meet the purpose of your task.

Your sources must include a simple diagram.

In order to show that you are competent, you need to know how to:

- check with an appropriate person that you understand the problem or task and how you will tackle it
- read, understand and extract information given by numbers, symbols, lists, tables, simple diagrams, charts and block graphs used for different purposes and in different ways in numerical and written material
- make numerical comparisons from bar charts and pictograms
- use whole numbers, fractions and decimals to measure and make observations
- make observations and record numerical information using a tally
- read simple scales
- use shape and space to record information
- use numerical information from lists, tables, diagrams and simple charts to help your understanding.

NE3.2 Carry out calculations

You must provide evidence that you can:

NE3.2.1

Use the data you have obtained to carry out calculations relevant to your task to do with:

- a) amounts or sizes
- b) proportion.

In order to show that you are competent, you need to know how to:

- use methods and materials you have been given to get the results you need
- work to the levels of accuracy you have been given
- count, read, write, order and compare whole numbers up to 1000
- add and subtract using three-digit numbers
- multiply two-digit whole numbers by single-digit whole numbers
- divide two-digit whole numbers by single-digit whole numbers and interpret remainders
- recall addition and subtraction facts to 20
- recall simple multiplication facts
- approximate by rounding numbers less than 1000 to the nearest 10 or 100
- estimate answers to calculations
- use and interpret +, −, ×, ÷ and = in practical situations for solving problems
- read, write and understand common fractions
- recognise and use equivalent forms
- read, write and understand decimals up to two decimal places in practical contexts
- estimate, calculate and compare money by:
 - adding and subtracting sums using decimal notation
 - rounding sums to the nearest £1, 10p
 - making approximate calculations
- read, measure and record time using:
 - am and pm
 - common date formats
 - digital clocks and analogue clocks to the nearest 5-minute intervals
- estimate, read, measure and compare length, capacity, weight and temperature using non-standard and standard units
- choose and use appropriate units and measuring instruments
- sort 2-D and 3-D shapes to solve practical problems using properties
- organise and represent information in different ways so that it makes sense to others
- calculate efficiently using whole numbers and decimals
- use a calculator and methods you have been given to check your calculations
- correct any errors
- check that your results make sense.

NE3.3 Interpret results and present findings

You must provide evidence that you can:

NE3.3.1

Present your findings.

NE3.3.2

Explain how your results meet the purpose of your task.

In order to show that you are competent, you need to know how to:

- use numbers, fractions, decimals, measures, tables, diagrams, charts or graphs, and symbols as appropriate to present your results
- use common units of measure to define quantities
- explain how your results meet the purpose of your task.

Access statement

Candidates with particular disabilities may be unable to show that they are competent by providing all their evidence in the form specified in these standards.

For such candidates, reasonable adjustments to the evidence requirements may be allowed in appropriate circumstances. In some cases, exemptions may be permissible. Further detail on reasonable adjustments and exemptions for candidates with particular disabilities can be found in a separate amplification document.