

Extract from Specification

**Pearson Edexcel Entry Level 2
Essential Skills Wales in Application
of Number**

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Entry Level 2 Essential Skills Wales in Application of Number

Level:	Entry Level 2
Credit value:	6
Guided Learning Hours:	60

About this qualification

This is about demonstrating your skills in:

- understanding numerical data (NE2.1)
- carrying out calculations (NE2.2)
- interpreting results and presenting findings (NE2.3)

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

Amplification of evidence requirements

Notes

- 1 Each level of the skill incorporates and builds on the previous level. So, for example, in NE2.2, the requirement to 'make amounts of money up to £1 in different ways using 1p, 2p, 5p, 10p, 20p and 50p coins...' builds on 'recognise and select coins and notes' at Entry Level 1.
- 2 The subject matter and resources will be familiar to you (ie you have met them before) and accessible.
- 3 You must provide evidence of your Application of Number skills, as they are specified in the first column of the component grid. Your evidence must be in the form described in the third column ('Evidence requirements'). In order to provide this evidence, you will need to have the skills that are listed in the second column.
- 4 The guidance within the qualification supports the requirements of the three columns of the component areas and is intended to advise and help you and your teacher/tutor/trainer in your work. It provides explanations of some of the requirements of the standards that may be useful when you are developing the skill of Application of Number at Entry Level 2 and producing evidence of your work. It is not a mandatory part of the standards.
- 5 Many learners when producing evidence have found that it is both more interesting and more effective to complete a task or activity that covers all

three components (NE2.1, NE2.2 and NE2.3) as a continuous process. However, this is not a requirement.

- 6 The Mandatory Definitions (Annexe A) give the exact meaning of certain words in the document. You must always refer to them when you are developing your skills, gathering evidence, and preparing for assessment.
- 7 Witness statements must not be the only form of evidence that you provide. When you provide a witness statement, it must be supported by other evidence.

Evidence

At Entry Level, you will be assessed via a portfolio of evidence. The term 'evidence' is used in this document to refer to the work you produce for final assessment.

You must:

Understand and tackle a problem or task → Read and understand data
→ Carry out calculations → Check results → Present findings.

All your calculations should ideally be set in a purposeful context although standalone exercises are acceptable.

There must be evidence that all your work has been assessed and authenticated, eg there must be records/notes, written by a competent assessor, confirming that your work is your own and that it has achieved the required standard.

Skill requirements

In order to achieve this qualification, the evidence that you present for assessment needs to demonstrate that you can meet all of the skills requirements of the qualification for each of the component areas. A piece of work submitted could give assessment evidence for more than one skill.

Component: NE2.1 Understand numerical data

You must provide evidence that you can:	In order to show that you are competent, you need to know how to:	Evidence requirements	Guidance
NE2.1.1 Confirm that you understand a given practical problem or task involving numbers, measures and simple shapes.	check with an appropriate person that you understand the problem or task ...	Evidence must show that the learner has understood the given problem or task. Evidence may be in the form of either: <ul style="list-style-type: none"> • notes produced by the learner (by hand or electronically) • a witness statement. 	Confirm You must show that you understand the problem or task that you have been given (e.g. by repeating it in your own words and/or asking for more detail).
NE2.1.2 Confirm how you will tackle it.	. . . and how you will tackle it	Evidence must show that the candidate has understood how the task will be tackled. Evidence may be in the form of either: <ul style="list-style-type: none"> • notes produced by the candidate (by hand or electronically) Or <ul style="list-style-type: none"> • a witness statement. 	Confirm You must show that you understand how you will tackle the task (e.g. by repeating instructions in your own words and/or asking for more detail).

You must provide evidence that you can:	In order to show that you are competent, you need to know how to:	Evidence requirements	Guidance
<p>NE2.1.3 Read, understand and record data from two different sources to meet the purpose of your task.</p> <p>Your sources must include a simple diagram.</p>	<ul style="list-style-type: none"> • read, understand and extract information given by numbers, symbols, lists, simple tables, simple diagrams, charts and block graphs in numerical and written material • read and record time in common date formats, and understand time displayed on analogue and 12-hour digital clocks in hours, half-hours and quarter-hours • make numerical comparisons from block graphs • use whole numbers and simple fractions to measure and make observations • collect simple numerical information to help your understanding • read simple scales to the nearest labelled division • use shape and space to record simple information • use information from lists, tables, simple diagrams and block graphs to help your understanding • follow a given process or routine to increase your understanding. 	<p>Evidence must show that the candidate is clear about how the data meets their purpose.</p> <p>Evidence must include data from at least two different sources.</p> <ul style="list-style-type: none"> • At least one source must include a simple diagram. • At least one source must require the candidate to read/collect and record data. <p>Evidence must include:</p> <ul style="list-style-type: none"> • copies of source material • details of the site(s) of observation/measurement • records of data obtained. 	<p>Read, understand, extract You must know how to obtain information from sources such as simple:</p> <ul style="list-style-type: none"> • diagrams (e.g. to understand the proposed location of a temporary building) • tables (e.g. a 2 x 3 cell matrix) • charts, such as a pie chart (e.g. to identify the number of people ordering each item on a menu) • block graphs (e.g. to identify which salesperson had the most sales). <p>Measure and make observations You must know how to use simple measuring instruments (e.g. a ruler or measuring jug) and how to make accurate observations (e.g. counting the number of people in a queue).</p> <p>Record You must record measurements and observations accurately and in a way that is fit for the purpose of your task (e.g. by filling in a simple form).</p>

Component: NE2.2 Carry out calculations

You must provide evidence that you can:	In order to show that you are competent, you need to know how to:	Evidence requirements	Guidance
<p>NE2.2.1 Use the data you have obtained to carry out calculations to do with amounts or sizes that are relevant to your task.</p>	<ul style="list-style-type: none"> • use methods you have been given • work to the levels of accuracy you have been given • count reliably up to 20 items • read, write, order and compare whole numbers up to 100 • add and subtract two-digit whole numbers • multiply using single-digit whole numbers • recall addition and subtraction facts to 10 • approximate by rounding to the nearest 10 • use and interpret +, −, x and = in practical situations for solving problems • read, write and compare halves and quarters of quantities • find halves and quarters of small numbers of items or shapes • make amounts of money up to £1 in different ways using 1p, 2p, 5p, 10p, 20p and 50p coins • calculate the cost in pence of more than one item, and the change from a transaction 	<p>Evidence must show that the candidate can work with the methods and levels of accuracy that they have been given.</p> <p>Evidence must include notes of:</p> <ul style="list-style-type: none"> • how the candidate has checked their calculations • how the results make sense in relation to their task. <p>The latter may be in the form of a witness statement.</p>	<p>Levels of accuracy You must know how to work to levels of accuracy given to you by your teacher, tutor or trainer, such as to the nearest pound.</p> <p>Check calculations You must always check for accuracy as the final step in your calculations. You must use a calculator and methods you have been given.</p> <p>Check that results make sense While your results may be based on accurate calculations, they may not 'make sense' or be fit for purpose in relation to the problem or task that you have tackled. You must check this.</p>

N2.2.1 cont.

- calculate the cost in whole pounds of more than one item, and the change from a transaction
- estimate, measure and compare length, weight and capacity using common standard and non- standard units
- read and compare positive temperatures in everyday situations
- recognise and name 2-D and 3-D shapes, including triangles, cylinders and pyramids
- describe the properties of common 2-D and 3-D shapes
- sort and classify objects using two criteria
- use positional vocabulary
- represent information so that it makes sense to others
- use a calculator and methods you have been given to check your calculations
- correct any errors
- check that your results make sense.

Component: NE2.3 Interpret results and present findings

You must provide evidence that you can:	In order to show that you are competent, you need to know how to:	Evidence requirements	Guidance
<p>NE2.3.1 Present your findings.</p>	<ul style="list-style-type: none"> • use whole numbers, common fractions, measures, lists, simple tables, simple charts, simple diagrams, and symbols as appropriate to present your results • use common units of measure to define quantities 	<p>Evidence must show that the candidate can, with guidance from a teacher, tutor or trainer, make appropriate choices of how to present their findings and results, with appropriate use of units.</p> <p>If ICT is used to produce graphics, evidence must show that the candidate has checked their accuracy and can explain them fully.</p> <p>While graphics must be produced on paper, evidence of understanding may be in the form of a witness statement.</p>	<p>Present You must know how to present your findings and results effectively, using methods suggested by or agreed with your teacher, tutor or trainer.</p>
<p>NE2.3.2 Show how your results meet the purpose of your task.</p>	<ul style="list-style-type: none"> • describe how your results meet the purpose of your task. 	<p>Evidence must show that the candidate can:</p> <ul style="list-style-type: none"> • describe the results of their calculations • describe how they meet the purpose of their task. <p>Evidence may be in the form of either:</p> <ul style="list-style-type: none"> • notes produced by the candidate (by hand or electronically) <p>or</p> <ul style="list-style-type: none"> • a witness statement. 	<p>Describe You must know how to show how your results relate to the problem or task you were given.</p>

Guidance for Application of Number Entry Level 2

The guidance below supports the requirements of the three columns of the component areas and is intended to advise and help you and your teacher/tutor/trainer in your work. It provides explanations of some of the requirements of the standards that may be useful when you are developing the skill of Application of Number at Entry Level 2 and producing evidence of your work. It is not a mandatory part of the standards.

NE2.1.1

Confirm

You must show that you understand the problem or task that you have been given, eg by repeating it in your own words and/or asking for more detail.

NE2.1.2

Confirm

You must show that you understand how you will tackle the task, eg by repeating instructions in your own words and/or asking for more detail.

NE2.1.3

Read, understand, extract

You must know how to obtain information from sources such as simple:

- diagrams (eg to understand the proposed location of a temporary building)
- tables (eg a 2 x 3 cell matrix)
- charts, such as a pie chart (eg to identify the number of people ordering each item on a menu)
- block graphs (eg to identify which salesperson had the most sales).

Measure and make observations

You must know how to use simple measuring instruments eg a ruler or measuring jug, and how to make accurate observations, eg counting the number of people in a queue.

Record

You must record measurements and observations accurately and in a way that is fit for the purpose of your task (eg by filling in a simple form).

NE2.2.1

Levels of accuracy

You must know how to work to levels of accuracy given to you by your teacher, tutor or trainer, such as the nearest pound (£).

Check calculations

You must always check for accuracy as the final stage in your calculations. You must use a calculator and methods you have been given.

Check that results make sense

While your results may be based on accurate calculations, they may not 'make sense' or be fit for purpose in relation to the problem or task that you have tackled. You must check this.

NE2.3.1

Present

You must know how to present your findings and results effectively, using methods suggested by or agreed with your teacher, tutor or trainer.

NE2.3.2

Describe

You must know how to describe how your results relate to the problem or task you were given.