AQA

Functional Skills Level 1
MATHEMATICS
8361/1

Paper 1 Non-Calculator

Mark scheme

November 2021

Version: 1.0 Final

Mark schemes are prepared by the Lead Assessment Writer and considered, together with the relevant questions, by a panel of subject teachers. This mark scheme includes any amendments made at the standardisation events which all associates participate in and is the scheme which was used by them in this examination. The standardisation process ensures that the mark scheme covers the students' responses to questions and that every associate understands and applies it in the same correct way. As preparation for standardisation each associate analyses a number of students' scripts. Alternative answers not already covered by the mark scheme are discussed and legislated for. If, after the standardisation process, associates encounter unusual answers which have not been raised they are required to refer these to the Lead Examiner.

It must be stressed that a mark scheme is a working document, in many cases further developed and expanded on the basis of students' reactions to a particular paper. Assumptions about future mark schemes on the basis of one year's document should be avoided; whilst the guiding principles of assessment remain constant, details will change, depending on the content of a particular examination paper.

Further copies of this mark scheme are available from aqa.org.uk

Glossary for Mark Schemes

Functional Skills examinations are marked in such a way as to award positive achievement wherever possible. Thus, for Functional Skills Mathematics papers, marks are awarded under various categories.

If a student uses a method which is not explicitly covered by the mark scheme the same principles of marking should be applied. Credit should be given to any valid methods. Examiners should seek advice from their senior examiner if in any doubt.

M	Method marks are awarded for a correct method which could lead to a correct answer.
A	Accuracy marks are awarded when following on from a correct method. It is not necessary to always see the method. This can be implied.
B	Marks awarded independent of method.
ft	Follow through marks. Marks awarded for correct working following a mistake in an earlier step.
SC	Special case. Marks awarded for a common misinterpretation which has some mathematical worth.
M dep	A method mark dependent on a previous method mark being awarded.
B dep	A mark that can only be awarded if a previous independent mark has been awarded.
oe	Or equivalent. Accept answers that are equivalent. eg accept 0.5 as well as $\frac{1}{2}$
[a, b]	Accept values between a and b inclusive.
[a, b)	Accept values a ≤ value < b
3.14 …	Accept answers which begin 3.14 eg 3.14, 3.142, 3.1416
Use of brackets	It is not necessary to see the bracketed work to award the marks.

Examiners should consistently apply the following principles.

Diagrams

Diagrams that have working on them should be treated like normal responses. If a diagram has been written on but the correct response is within the answer space, the work within the answer space should be marked. Working on diagrams that contradicts work within the answer space is not to be considered as choice but as working, and is not, therefore, penalised.

Responses which appear to come from incorrect methods

Whenever there is doubt as to whether a student has used an incorrect method to obtain an answer, as a general principle, the benefit of doubt must be given to the student. In cases where there is no doubt that the answer has come from incorrect working then the student should be penalised.

Questions which ask students to show working

Instructions on marking will be given but usually marks are not awarded to students who show no working.

Questions which do not ask students to show working

As a general principle, a correct response is awarded full marks.

Misread or miscopy

Students often copy values from a question incorrectly. If the examiner thinks that the student has made a genuine misread, then only the accuracy marks (A or B marks), up to a maximum of 2 marks are penalised. The method marks can still be awarded.

Further work

Once the correct answer has been seen, further working may be ignored unless it goes on to contradict the correct answer.

Choice

When a choice of answers and/or methods is given, mark each attempt. If both methods are valid then M marks can be awarded but any incorrect answer or method would result in marks being lost.

Work not replaced

Erased or crossed out work that is still legible should be marked.

Work replaced

Erased or crossed out work that has been replaced is not awarded marks.

Premature approximation

Rounding off too early can lead to inaccuracy in the final answer. This should be penalised by 1 mark unless instructed otherwise.

Continental notation

Accept a comma used instead of a decimal point (for example, in measurements or currency), provided that it is clear to the examiner that the student intended it to be a decimal point.

Section A

Q	Answer	Mark	Comments
1	-17	B1	

Q	Answer	Mark	Comments
2	144	B1	

Q	Answer	Mark	Comments
3	5×7 calculated first or 35	M1	
	1	A1	SC1 71 SC1 -1

Additional Guidance		
Answer 217 (from operations done in given order)		M0A0
$35 - 36 = -1$		M1

Q	Answer	Mark	Comments
4	<table><tr><td>Fraction</td><td>Decimal</td><td>Percentage</td></tr><tr><td>$\frac{3}{4}$</td><td>0.75</td><td>75%</td></tr><tr><td>$\frac{7}{10}$</td><td>0.7</td><td>70%</td></tr><tr><td>$\frac{1}{5}$</td><td>0.2</td><td>20%</td></tr></table>	B3	oe fraction for $\frac{3}{4}$ B2 two correct values B1 one correct value

	Additional Guidance	
Ignore incorrect cancelling if correct fraction seen		
Decimal answer may have extra zeroes eg 0.20		B1
Condone 70 for percentage		
$\frac{7.5}{10}$		B0
0.2%		B0

Q	Answer	Mark	Comments
5	8	B1	
	Additional Guidance		
	Allow zeros after a decimal point eg 8.0, 8.00		

Section B

Q	Answer	Mark	Comments
6(a)	**Alternative method 1**		
	One table or the dance floor drawn to correct size	B1	1 by 2 or 3 by 1 or 5 by 5 mark intention
	Correct number and sizes of tables/floors	B1	1 by 2 and 3 by 1 and 5 by 5 implies B2
	Exactly three shapes drawn with labels	B1	any size
	At least one square space around each table	B1	must be at least two tables

Q	Answer	Mark	Comments
6(b)	5 × 5 or 25	M1	
	their 25 × 10 or 250	M1dep	
	11.5(0) × 4 or 46	M1	
	433 + 278 + their 250 + their 46	M1	must be four values
	250 + 46 + 433 + 278 = 1007 or 250 + 46 + 711 = 1007	A1	

Q	Answer	Mark	Comments
6(c)	(10% =) 96 and 96 ÷ 2 or 5 ÷ 100 × 960 or 48 seen	M1	oe
	960 + their 48 or 1008	M1dep	960 × 1.05 implies M2
	1008 and Yes	A1	
	Additional Guidance		
	Yes can be implied eg she has £1 extra.		