

Bidmas, Powers & Roots

A collection of 9-1 Maths GCSE Sample and Specimen questions from AQA, OCR, Pearson-Edexcel and WJEC Eduqas.

	Name:	
	Total Marks:	
1. Work out the value of $5^2 \times$	10 ² .	
2. Work out.		[2]
7 -2		
		[1]
3. Put brackets in these calcula	ations to make them	o correct.
(i) $5 - 3 \times 12 \div 4 = 6$		

(ii)
$$6 \times 4 + 3^2 - 5 = 289$$

4. Work out.

$$4 \times 2 - 1$$

5. (i)
$$4 + 6 \times 3 - 5$$

(ii)
$$30 \div (3 + 2)$$

[1]



(iii) $1 + 2^3$

(III)	(iii)	()	[1	٦
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.....[2]

.....[1]

6. Work out the square root of 100 million.

Circle your answer.

[1] 1000 10 000 100 000 1 000 000

7. Work out

9. Calculate.

8. Find the value of 54

a)
$$\sqrt{3136}$$

b)
$$\sqrt[4]{625}$$

c) 5⁻²

......Γ1

11. Work out the reciprocal of 0.125

12	The	same	number	is	missing	from	each	hox	
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(a) Find the missing number.

	[1
(b) Work out 4 ⁴		
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CREDITS AND NOTES

Question	Awarding Body	
1	OCR	
2	OCR	
3	OCR	
4	OCR	
5	OCR	
6	AQA	
7	OCR	
8	Pearson Edexcel	
9	OCR	
10	Pearson Edexcel	
11	Pearson Edexcel	
12	Pearson Edexcel	

Notes:

These questions have been retyped from the original sample/specimen assessment materials and whilst every effort has been made to ensure there are no errors, any that do appear are mine and not the exam boards (similarly any errors I have corrected from the originals are also my corrections and not theirs!).

Please also note that the layout in terms of fonts, answer lines and space given to each question does not reflect the actual papers to save space.

These questions have been collated by me as the basis for a GCSE working party set up by the GLOW maths hub - if you want to get involved please get in touch. The objective is to provide support to fellow teachers and to give you a flavour of how different topics "could" be examined. They should not be used to form a decision as to which board to use. There is no guarantee that a topic will or won't appear in the "live" papers from a specific exam board or that examination of a topic will be as shown in these questions.



Links:

AQA http://www.aqa.org.uk/subjects/mathematics/gcse/mathematics-8300

OCR http://ocr.org.uk/qcsemaths

Pearson Edexcel http://qualifications.pearson.com/en/qualifications/edexcel-qcses/mathematics-2015.html

WJEC Edugas http://www.edugas.co.uk/qualifications/mathematics/gcse/

Contents:

This version contains questions from:

AQA - Sample Assessment Material and Practice set 1

OCR - Sample Assessment Material and Practice set 1

Pearson Edexcel – Sample Assessment Material, Specimen set 1 and Specimen set 2.

WJEC Edugas - Sample Assessment Material

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