

MATHS IN ENGLISH

Start your computer, log in to your account and open a window with your web browser (Firefox, Chrome or Internet Explorer).

0.1. If you need help

You can check the website, it's a very good dictionary :

<http://www.wordreference.com/>

(or you can ask me!).

0.2. BBC GCSE Bitesize website

You probably know the BBC, "British Broadcasting Corporation".

GCSE is an exam that British students aged 14 to 16 take.

You can look for the word "Bite size" in WordReference, just to try this website.

We will be using this website for our sequences.

1. First sequence: "Order of operation"

Go to the address: <http://www.bbc.co.uk/schools/gcsebitesize/maths/number/>

Home > Maths > Number

Maths
Number

Print

Number

Negative numbers	Revise	Activity	Test
Long multiplication and division	Revise	Activity	Test
Order of operation	Revise	Activity	Test
Rounding and estimating	Revise	Activity	Test (H)

Fractions, decimal and ratios

Fraction basics	Revise	Activity	Test
Addition, subtraction, multiplication and division - Foundation	Revise		Test
Multiplication and division of mixed numbers - Higher	Revise		Test
Decimals	Revise	Activity	Test
Percentages	Revise	Activity	Test
Percentages - Higher	Revise		Test
Converting fractions, decimals and percentages	Revise	Activity	Test
Ratios	Revise	Activity	Test

Factors, powers and roots

Factors and multiples	Revise		Test
Prime factors - Foundation	Revise	Activity	

Choose "number", "order of operation", "activity".

You will get to this page:

Order of operation

Do you know what BIDMAS is? Well, here is how this strange and meaningless word can help you deal with an equation in the right order.

Start

Press the "Start" button.

Sound off

Restart Help

Deal with the various parts of an equation

Here is a transcription of what the man says:

"If you don't deal with the various parts of an equation in the right order, you may get into all sorts of trouble.

Fortunately, there's an easy way to get this right.

'BIDMAS' is a word that can help us remember the order in which calculations should take place.

B is for brackets ()

I is of indices or powers 18^2

D is for division

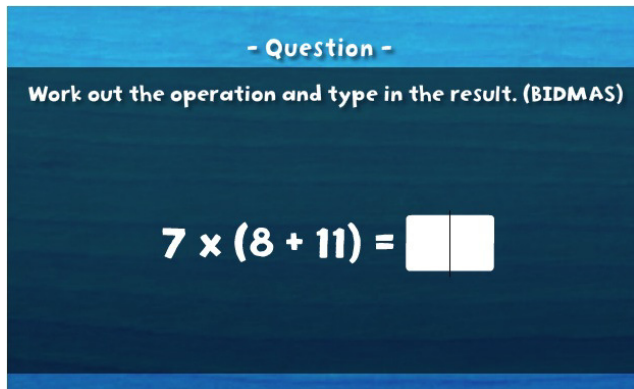
M is for multiplication

A is for addition

S is for subtraction

and

To apply the 'BIDMAS' idea, we start with the brackets first.



7 plus 5 equals 12, and 12 times 4 equals 48.

Now it's your turn . Work out the answers to this problem by doing the calculations in the right order.

Type in the missing numbers, when you think you've worked it out."

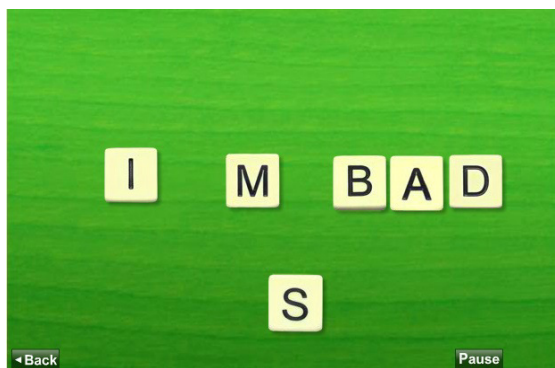
You can hear it all again by pressing the "Restart" button, or the "Restart button" if you only want to hear the end.

If you get it wrong, you will get to this page:



"Mmmm... You need to check this spelling, mate! Remember: sort out the brackets first , and then multiply".

And if you get it right, to this one:



"That's right! bet you're still trying to find a rude word in there somewhere, though!"

Now, what are the differences between how you learnt the order of operations in class, and what is proposed here?

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And what is the difference between what they call an "equation", and what we call an equation?

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