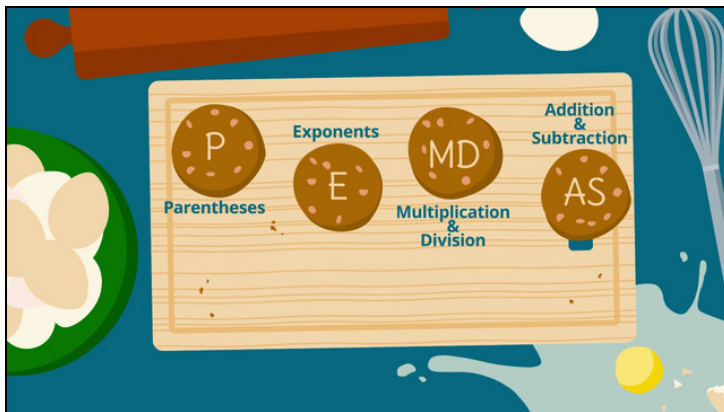




Printable Worksheets from [sofatutor.com](https://www.sofatutor.com)

# Order of Operations



- 1 Identify the mnemonic used to remember PEMDAS.
- 2 Using the correct order of operations, determine the right recipe.
- 3 Correctly simplify the expression  $(8 - 2)^2 + (5 + 2)$
- 4 Correctly simplify the expression and help Timothy figure out Sarah's number.
- 5 Find out how many eggs and how much flour Sally needs for her cookie recipe.
- 6 Simplify the expressions by using the order of operations.
- + with lots of tips, answer keys, and detailed answer explanations for all of the problems.



The complete package, including all problems, hints, answers, and detailed answer explanations is available for all [sofatutor.com](https://www.sofatutor.com) subscribers.



## Identify the mnemonic used to remember PEMDAS.

Select the correct mnemonic.



- Please Forgive My Decent Mom Sally. A
- Please Apologize For My Aunt Sally. B
- Please Excuse My Dear Aunt Sally. C
- Please Pardon The Disorder Of My Aunt Sally. D



## Hints for solving these problems

1  
of 6

**Identify the mnemonic used to remember PEMDAS.**

**Hint #1**

Look at the initials of the words.

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**Hint #2**

Which letters are in the acronym **PEMDAS**?

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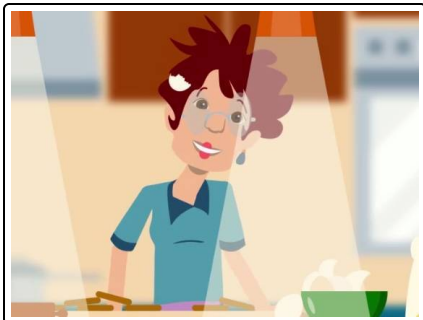


## Answers and detailed answer explanations for these problems

1  
of 6

### Identify the mnemonic used to remember PEMDAS.

Answer key: C



With PEMDAS you can simplify expressions: you simply have to follow the rules.

First evaluate **P**arentheses, then **E**xponents, followed by **M**ultiplication and **D**ivision and finally you evaluate **A**ddition and **S**ubtraction.

Remember to always evaluate **M**ultiplication and **D**ivision as well as **A**ddition and **S**ubtraction from left to right!

You can remember this order with a funny mnemonic:

Please **E**xcuse **M**y **D**ear **A**unt **S**ally.