

NUMERACY



Order of Operations

An understanding of "arithmetic" rules needs to be established to support carrying out calculations that involve more than one operation. This enables the development of more efficient calculations.

Hints

WORD BANK

Operations - A mathematical process. The most common operations are *add*, *subtract*, *multiply* and *divide* however there are many more, such as *powers* and *roots*.

Example: In 25 + 6 = 31 the operation is add.

BODMAS

To correctly solve a calculation or simplify an expression, you must perform the operations in the correct order. This order is **BODMAS**.

- **B** Brackets
- **O Of** (This would include fractions, powers, roots etc.)
- D Division
- **M** Multiplication
- A Addition
- S Subtraction





NUMERACY



Examples

Example 1:

Example 2:

$$(7-2) \times (5+1) + 3$$
Do the brackets first
$$= 30+3$$

$$= 33$$
Tidy up the rest of the calculation

Example 3:

$$40 - 3^2 \times 2$$
= $40 - 9 \times 2$
Do the powers first
= $40 - 18$
= 22
Tidy up the rest
of the calculation



Resources

Youtube Video with examples -

https://www.youtube.com/watch?v=dAgfnK528RA

BODMAS Game -

http://www.math-play.com/Order-of-Operations-Millionaire/order-of-operations-millionaire-game.html

Worksheets -

https://www.math-drills.com/orderofoperations.php