How does your calculator do Maths

Order of Operations

Mathematical Operations

Addition Brackets Multiplication Division Indices (powers) Subtraction

Type the following questions into your calculator. Write down the answer and underline which operation the calculator must have done first. The first question has been completed for you

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 | 3 + 6 x 2 | = | 15 |  | Q9 | (12 – 5) x 2 | = |  |
| Q2 | 10 – 5 x 2 | = |  |  | Q10 | 13 – (8 ÷ 4) | = |  |
| Q3 | 5 x 1 - 7 | = |  |  | Q11 | 3(5 - 1) | = |  |
| Q4 | 6 ÷ 3 + 7 | = |  |  | Q12 | (4 - 1)2 | = |  |
| Q5 | 10 – 8 ÷ 2 | = |  |  | Q13 | (3 + 1)2 – 7 | = |  |
| Q6 | 10 x 2 ÷ 4 | = |  |  | Q14 | 10 x (8 – 6) | = |  |
| Q7 | 8 ÷ 4 x 2 | = |  |  | Q15 | 23 - 1 | = |  |
| Q8 | 9 + 2 - 8 | = |  |  | Q16 | 10 + 2 x 3 -7 | = |  |

Which of the operations does the calculator always do first?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Place the operations in order

|  |  |  |  |
| --- | --- | --- | --- |
| Addition  Brackets  Multiplication Division  Indices (powers) Subtraction |  | 1st |  |
|  | 2nd |  |
|  | 3rd |  |
|  | 4th |  |
|  | 5th |  |
|  | 6th |  |

Complete the hierarchy triangle below

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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