

Order of Operations

P	Parentheses	<i>Example</i> $9^2 \div 2 + 14 \times (11-2) - 15$
		Do what is in the parentheses first. $9^2 \div 2 + 14 \times (11-2) - 15$ $9^2 \div 2 + 14 \times 9 - 15$
E	Exponents	Complete any exponent operations. $9^2 \div 3 + 14 \times (11-2) - 15$ $9^2 \div 3 + 14 \times 9 - 15$ $81 \div 3 + 14 \times 9 - 15$
M	Multiplication	Complete any multiplication or division; whichever comes first. $9^2 \div 3 + 14 \times (11-2) - 15$ $9^2 \div 3 + 14 \times 9 - 15$ $81 \div 3 + 14 \times 9 - 15$ ← Division comes first in this example. $27 + 14 \times 9 - 15$ ← Then, complete the multiplication. $27 + 126 - 15$
D	Division	
A	Addition	Complete any addition or subtraction; whichever comes first. $9^2 \div 3 + 14 \times (11-2) - 15$ $9^2 \div 3 + 14 \times 9 - 15$ $81 \div 3 + 14 \times 9 - 15$ $27 + 14 \times 9 - 15$ $27 + 126 - 15$ ← Addition comes first in this example. $153 - 15$ ← Lastly, subtract. <u>138 is the final answer!</u>
S	Subtraction	

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