



# EVALUATING EXPRESSIONS: ORDER OF OPERATIONS WITH EXPONENTS

When you evaluate an expression, or find the total value, it's important to follow the order of operations:

1. Grouping symbols
2. Exponents
3. Multiplication and division, from left to right
4. Addition and subtraction, from left to right

If your problem doesn't have one of these steps, move on to the next one!

Evaluate each expression using the order of operations.

$2^2 \times 9 + 5$  <b>41</b>	$(8 - 4) \times 5^3 - 10$  <b>490</b>	$33 - 48 \div 2^2 + 7$  <b>28</b>
$34 + 24 \div 6 - 2^3$  <b>30</b>	$(29 - 7) \times 7^2 + 6$  <b>1,084</b>	$8 \times (54 \div 3^2 - 3)$  <b>24</b>
$10 + [22 \div (3^2 + 2) + 5]$  <b>17</b>	$6 \times [(36 + 2^2) \div 5]$  <b>48</b>	$\{4^2 + [(7 + 3) \times 4]\} \div 7$  <b>8</b>