

- CCSS: 6.NS
- Learning Objective: Order of Operations

➤ Rules: Order of Operations

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➤ Examples:

<p>1.</p> $5 + 6 \div 2 \cdot 7$ $5 + 3 \cdot 7$ $5 + 21$ 26	<p>.</p> <p>Step 1: Divide Step 2: Multiply Step 3: Add</p>
<p>2.</p> $7 - 2 \cdot 3 + 4^2$ $7 - 2 \cdot 3 + 16$ $7 - 6 + 16$ $1 + 16$ 17	<p>Step 1: Exponent Step 2: Multiply Step 3: Subtract Step 4: Add</p>
<p>3.</p> $13 - 8 \cdot (3 - 5) + 3^2$ $13 - 8 \cdot (-2) + 3^2$ $13 - 8 \cdot (-2) + 9$ $13 - (-16) + 9$ $13 + 16 + 9$ $29 + 9$ 38	<p>Step 1: Parenthesis Step 2: Exponent Step 3: Multiply Step 4: Rewrite Subtraction as Addition Step 5: Add Step 6: Add</p>
<p>4.</p> $(2 - 8)^2 \div 4 + 7 \cdot 2 - 13$ $(-6)^2 \div 4 + 7 \cdot 2 - 13$ $36 \div 4 + 7 \cdot 2 - 13$ $9 + 7 \cdot 2 - 13$ $9 + 14 - 13$ $23 - 13$ 10	<p>Step 1: Parenthesis Step 2: Exponent Step 3: Divide Step 4: Multiply Step 5: Add Step 6: Subtract</p>

➤ Practice:

1. $8 \cdot 6 - 12 \div 3$	Step 1: Step 2: Step 3:
2. $9 - 4 \cdot 5 + 3^2$	Step 1: Step 2: Step 3: Step 4:
3. $7 - 6 \cdot (2 - 7) + 4^2$	Step 1: Step 2: Step 3: Step 4: Step 5: Step 6:

Justification:

Who is right?

Solve the problem and
show the steps.

Then justify who you think is
right in your own words and why,
the other is wrong.


