

PEMDAS

- Can the placement of parentheses matter?
- Solve each pair of problems and compare using $<$, $>$ or $=$.
- Turn in your paper that shows your work.

$2 \cdot 9 + 3 - 4$		$2 \cdot (9 + 3) - 4$
$(16 + 6) \div 2 \cdot 3$		$16 + 6 \div (2 \cdot 3)$
$12 \cdot 7 - 8^2$		$(12 \cdot 7) - 8^2$
$3 \cdot 11 + 8$		$3 \cdot (11 + 8)$
$9 \cdot 2 + 2 \cdot 8$		$9 \cdot (2 + 2) \cdot 8$
$(24 - 6) \cdot 2^2 + 7$		$24 - (6 \cdot 2^2) + 7$
$16 \div 2 + 7^2 + 9$		$16 \div 2 + (7^2 + 9)$
$100 \div 5 \cdot (4^3 - 12)$		$(100 \div 5) \cdot 4^3 - 12$
$(13 \cdot 2) + 6 \div 2 - 5^2$		$13 \cdot (2 + 6) \div 2 - 5^2$