# Order of Operations (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(8 \div 2) \times (3^2 + 9 - 4)$

$8 \div 2^3 \times (5 - 4 + 6)$

$(4 - 2^2) \div (6 \times 9 + 5)$

$2^2 + 10 \times 6 \div (9 - 8)$

$5 + 7 \times (8 - 2^3) \div 4$

$(6 + 2 \times 5^2 - 8) \div 3$

$8 \times (4^2 \div (6 - 5 + 7))$

$(6 + 10 - 2^2) \times 8 \div 3$

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Simplify each expression using the correct order of operations.

$(8 \div 2) \times (3^2 + 9 - 4)$
$= 4 \times (3^2 + 9 - 4)$
$= 4 \times (9 + 9 - 4)$
$= 4 \times (18 - 4)$
$= 4 \times 14$
$= 56$

$8 \div 2^3 \times (5 - 4 + 6)$
$= 8 \div 2^3 \times (1 + 6)$
$= 8 \div 2^3 \times 7$
$= 8 \div 8 \times 7$
$= 1 \times 7$
$= 7$

$(4 - 2^2) \div (6 \times 9 + 5)$
$= (4 - 4) \div (6 \times 9 + 5)$
$= 0 \div (6 \times 9 + 5)$
$= 0 \div (54 + 5)$
$= 0 \div 59$
$= 0$

$2^2 + 10 \times 6 \div (9 - 8)$
$= 2^2 + 10 \times 6 \div 1$
$= 4 + 10 \times 6 \div 1$
$= 4 + 60 \div 1$
$= 4 + 60$
$= 64$

$5 + 7 \times (8 - 2^3) \div 4$
$= 5 + 7 \times (8 - 8) \div 4$
$= 5 + 7 \times 0 \div 4$
$= 5 + 0 \div 4$
$= 5 + 0$
$= 5$

$(6 + 2 \times 5^2 - 8) \div 3$
$= (6 + 2 \times 25 - 8) \div 3$
$= (6 + 50 - 8) \div 3$
$= (56 - 8) \div 3$
$= 48 \div 3$
$= 16$

$8 \times (4^2 \div (6 - 5 + 7))$
$= 8 \times (4^2 \div (1 + 7))$
$= 8 \times (4^2 \div 8)$
$= 8 \times (16 \div 8)$
$= 8 \times 2$
$= 16$

$(6 + 10 - 2^2) \times 8 \div 3$
$= (6 + 10 - 4) \times 8 \div 3$
$= (16 - 4) \times 8 \div 3$
$= 12 \times 8 \div 3$
$= 96 \div 3$
$= 32$