# Order of Operations (I)

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-6) - 9 \div ((7 + (-8)) \times ((-4) - (-7)))$

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

$((4 - 10) \div (-6)) \times (7 + (-9) + (-10))$

$3 \times ((-2) - (-8)) \div 6 + (-6) \times 9$

$(-4) \times (8 + 9 - 10) \div ((-2) \times 7)$

$3 + (-7) \times 8 - 9 \div (5 - (-4))$

# Order of Operations (I) Answers

Name: _____ Date: _____

Simplify each expression using the correct order of operations.

$(-6) - 9 \div \left(\left(\underline{7 + (-8)}\right) \times ((-4) - (-7))\right)$
$= (-6) - 9 \div \left((-1) \times \left(\underline{(-4) - (-7)}\right)\right)$
$= (-6) - 9 \div \left(\underline{(-1) \times 3}\right)$
$= (-6) - \underline{9 \div (-3)}$
$= \underline{(-6) - (-3)}$
$= -3$

$\left(5 \div \left(\underline{(-2) + (-4)} - (-7)\right)\right) \times ((-3) \times 2)$
$= \left(5 \div \left(\underline{(-6) - (-7)}\right)\right) \times ((-3) \times 2)$
$= \left(\underline{5 \div 1}\right) \times ((-3) \times 2)$
$= 5 \times \left(\underline{(-3) \times 2}\right)$
$= \underline{5 \times (-6)}$
$= -30$

$\left(\left(\underline{4 - 10}\right) \div (-6)\right) \times (7 + (-9) + (-10))$
$= \left(\underline{(-6) \div (-6)}\right) \times (7 + (-9) + (-10))$
$= 1 \times \left(\underline{7 + (-9)} + (-10)\right)$
$= 1 \times \left(\underline{(-2) + (-10)}\right)$
$= \underline{1 \times (-12)}$
$= -12$

$3 \times \left(\underline{(-2) - (-8)}\right) \div 6 + (-6) \times 9$
$= \underline{3 \times 6} \div 6 + (-6) \times 9$
$= \underline{18 \div 6} + (-6) \times 9$
$= 3 + \underline{(-6) \times 9}$
$= \underline{3 + (-54)}$
$= -51$

$(-4) \times \left(\underline{8 + 9} - 10\right) \div ((-2) \times 7)$
$= (-4) \times \left(\underline{17 - 10}\right) \div ((-2) \times 7)$
$= (-4) \times 7 \div \left(\underline{(-2) \times 7}\right)$
$= \underline{(-4) \times 7} \div (-14)$
$= \underline{(-28) \div (-14)}$
$= 2$

$3 + (-7) \times 8 - 9 \div \left(\underline{5 - (-4)}\right)$
$= 3 + \underline{(-7) \times 8} - 9 \div 9$
$= 3 + (-56) - \underline{9 \div 9}$
$= \underline{3 + (-56)} - 1$
$= \underline{(-53) - 1}$
$= -54$