"Solving For x" 01: Order of Operations Worksheet 2

MATH ALL

Name_____

Review your order of operations list:

P: parentheses ( )
E: exponents #
MD: x ÷
AS: + −

Evaluate using order of operations:

$17-3\times2+4$

$17-6+4$

$11+4$

15

$3^2+4\cdot4-5^2$

$9+4\cdot4-25$

$9+16-25$

$25-25$

0

$(7+3)^2-(20+5)$

10^2-25

$100-25$

75

$6\cdot6-45\div9$

$36-5$

31

These include negative numbers:

$14\div(-2)\times6+(-7)^2$

$14\div(-2)\times6+49$

$-7\times6+49$

$-42+49$

7

$\dfrac{(100-150)}{5^2}$

$\dfrac{-50}{25}=-2$

Challenge with embedded parentheses

$[10-(30\div5)]^2-5\cdot3$

$[10-6]^2-5\cdot3$

$4^2-5\cdot3$

$16-5\cdot3$

$16-15=1$

$[18-6)\div4+5]+(9-7)^2$

$[12\div4+5]+2^2$

$[3+5]+4$

$8+4=12$

$[(3+2)\times6]-4\times(15-10)$

$[5\times6]-4\times(5)$

$30-20$

10

$[(3^3-7)\div10]^2-32\div8$

$[(27-7)\div10]^2-32\div8$

$[20\div10]^2-32\div8$

$2^2-32\div8$

$4-4$

0