

1.2

-5, 0, 5, 10, 15, 20, 25, 30, 35, 40

 $5x$

-1, 1, 3, 5, 7, 9, 11, 13, 15, ...

x	$2x-1$	
0	-1	$\frac{2}{1}$
1	1	$2x + -1$
2	3	$2x - 1$
3	5	
4	7	
5	9	
6	11	

2, 5, 8, 11, 14, 17

x	$3x+2$	
0	2	$\frac{3}{1}$
1	5	
2	8	
3	11	
4	14	
5	17	
6	20	

Sigma

$$\sum_{x=0}^6 3x+2$$

Series

1.3 Order of Operations

P E MD AS

$$(4^2 - 8 + 1) - 3 + 6(2)$$

$$(16 - 8 + 1) - 3 + 6(2)$$

Left
to Right

$$9 - 3 + 12$$

$$18$$

$$6^2 \div 4 \cdot 3$$

$$36 \div 4 \cdot 3$$

$$9 \cdot 3$$

$$27$$

$$(8 \cdot 7 + 2) + (3 \cdot 2 - 2 \cdot 2)$$

$$(56 + 2) + (6 - 4)$$

$$58 + 2$$

$$60$$

$$59 - 4(6 - 4) = 51$$

$$59 - 4(2) = 51$$

$$59 - 8 = 51$$

$$22 - 4 \cdot 3 = 54$$

$$(22 - 4)3$$

$$(18)3$$

$$54$$

$$\frac{4 + 16}{12 - 7}$$

$$\frac{20}{5}$$

4

Simplify the
numerator

Simplify the
denominator

Divide

$$4 \cdot 3 - 1$$

11

$$p^{21} \quad 20 - 60 \quad \times 4$$

$$20. \quad 89 + 57 \cdot 29$$

$$\begin{array}{r} 57 \\ \times 29 \\ \hline \end{array}$$