NAME _____ **DATE** _____

Order of Operations

The order of operations tells you how to do calculations when there is more than one kind of operation.

Order of Operations	Example
	20 – 12 ÷ (3 + 1)
1. Anything inside parentheses	20 – 12 ÷ **(3 + 1)** = 20 – 12 ÷ 4
2. Multiplication and division from left to right	20 – **12 ÷ 4** = 20 – 3
3. Addition and subtraction from left to right	**20 – 3** = 17

1 Use the order of operations above to complete each equation.

a (9 + 3) × (16 ÷ 8) ÷ 4	**b** (365 + 35) ÷ 5 + 3
c 36 ÷ 6 + 4 × (27 ÷ 9)	**d** (26 – 18) × 5 ÷ 10 + 10

2 Insert parentheses to make each equation true.

a 2 × 18 – 5 + 15 ÷ 5 = 32	**b** 34 – 20 ÷ 4 + 3 = 2
c 14 = 50 – 42 ÷ 3 + 4 × 6	**d** 21 = 7 + 16 – 8 ÷ 2 + 2 × 25 ÷ 5

CHALLENGE

3 Using at least two operations, write an expression that is the same whether you do the calculations from left to right or using the correct order of operations.

NAME _____ **DATE** _____

Order of Operations Review

The order of operations tells you how to do calculations when there is more than one kind of operation.

Order of Operations	Example
	20 – 12 ÷ (3 + 1)
1. Anything inside parentheses	20 – 12 ÷ **(3 + 1)** = 20 – 12 ÷ 4
2. Multiplication and division from left to right	20 – **12 ÷ 4** = 20 –3
3. Addition and subtraction from left to right	**20 – 3** = 17

1 Use the order of operations above to complete each equation. Show all your work.

a _____ = 463 – 180 ÷ (3 × (2 + 3))	**b** (249 – 192) ÷ 3 × 14 = _____
c _____ = 36 + 14 × (182 – 164) ÷ 12	**d** (9 ÷ 3 + 213) – 72 ÷ 4 = _____

2 Insert parentheses to make each equation true. Show all your work.

a 3 × 9 + 18 + 36 ÷ 9 = 33	**b** 2 = 140 ÷ 2 + 12 – 4 × 2