LESSON 14
MIXED OPERATIONS

OBJECTIVES:

- Understand the order of operations
- Perform calculations to solve problems with mixed operations

The order of operations states that operations within parenthesis are done first. If there are no parentheses, then multiplication and division are performed before addition and subtraction. If all signs are of the same level, perform the calculations from left to right.

Exercise 1: Perform these calculations following the rules of the order of operations.

1. (348 + 924 – 235 – 587 + 16) x 4 = _____
2. (7 x 4) + (8 x 7 x 2) – (6-2-1) = _____
3. 9,865 – 476 + 3,468 – 198 – 397 = _____
4. (10,467 + 75) – (346 x 2) + (732 – 401) = _____
5. 8,736 + 34,736 – 9,654 + 245 = _____
6. (8 x 7) – (2 x 3) + (7-3) + (8 x 4) – (3 x 3) = _____
7. (81 x 3) x (105 x 2) = _____
8. 1,456,349 + 5,367,384 – 3,348,223 + 10,000,001 = _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Lesson Review 14: Perform these calculations following the rules of the order of operations. When you are comfortable with mixed operations, move on to Lesson 15.

1. (8 x 14) – (7 x 8) – (11 x 2) + (13 x 4) = _____
2. 98 x 3 x 7 x 1 = _____
3. 142 ÷ 7 x 3 ÷ 2 = _____
4. (10,873 + 14) x (14 -12) – (16 x 7) = _____

1. _____
2. _____
3. _____
4. _____

By Velda Arnaud
Springfield, Oregon