Name: _____ Date: _____

Show all of your work. You may use a calculator to check your answer.

1. Evaluate the expression $16 \times 3 + 8$.

2. Evaluate the expression $16 + 3 \times 8$.

3. Evaluate the expression $2 \times (12 - 3)$.

4. Evaluate the expression $\dfrac{7 \times (9 + 1)}{2 + 5}$.

5. Evaluate the expression $\dfrac{3 \times (7 - 2)}{18 - 3} + \dfrac{12 + 3}{5}$.

6. Circle each composite number: $242, 21, 55, 81, 22314456$.

7. List all the factors of 36.

8. List all the prime factors of 36.

9. In the following sequence, circle each multiple of four: $3, 6, 9, 12, 15, 18, 21, 24$.

10. If that sequence is continued, what is the next multiple of four?

11. In the following sequence, circle each multiple of three: $3, 7, 11, 15, 19, 23, 27$.

12. If that sequence is continued, what is the next multiple of three?

13. In the following sequence, circle the smallest multiple of 8: $12, 15, 18, 21, 24, 27, 30, 33$.

14. What are the first six multiples of three?

15. What are the first six multiples of two?