



Name \_\_\_\_\_ Date \_\_\_\_\_

### Mathematics Quiz

#### Odd and Even Numbers

#### Numerical Patterns

**What are the next three numbers in the sequence? Describe the patterns.**

1. 6, 12, 18, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

The rule is \_\_\_\_\_

2. 63, 51, 39, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

The rule is \_\_\_\_\_

3. 98, 103, 108, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

The rule is \_\_\_\_\_

4. 156, 137, 118, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

The rule is \_\_\_\_\_

5. The first three numbers make a pattern.

76, 70, 64

If the pattern continues the same way, what will be the next three numbers in the patterns?

- a. 80, 78, 76
- b. 58, 52, 46
- c. 62, 60, 58
- d. 60, 54, 52

6. Identify the patterns that follow the rules 'subtract 8'.

- a. 359, 367, 375, 383, 391
- b. 147, 139, 131, 123, 115
- c. 225, 217, 209, 201, 193
- d. 1, 8, 64, 512, 4,096

7. Using the numbers **4 3 7 9** write an even number. \_\_\_\_\_

8. Using the numbers **6 6 1 8** write an odd number. \_\_\_\_\_

9. Jimmy has 3,214 Pokemon cards. Tammy have three times more cards than Jimmy. How many cards does Tammy have? Is the amount an odd or even number?

\_\_\_\_\_ cards

- a. Odd
- b. Even
- c. Both

10. Amelia recycled 113, 842 cans. Aneisha recycled 9,485 cans. How many cans did they recycle altogether? Is this amount an odd or even number?

\_\_\_\_\_ cans

- a. Odd
- b. Even
- c. Both

11. Tyler rode 7,865 miles on Monday and 9,000 miles on Tuesday. How many more miles did he ride on Tuesday than on Monday? Is the amount an even or odd number?

\_\_\_\_\_ miles

- a. Even
- b. Odd
- c. Both

12. Xavier has 3,910 apples. He shared them equally between 5 friends. How many apples did each friend get? Is the amount an odd or even number?

\_\_\_\_\_ apples    a. Odd    b. Even    c. Both

