

## DIVISIBILITY RULES 2, 5 AND 10

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Due Date: \_\_\_\_\_

Family Member Signature: \_\_\_\_\_

### **Objective:**

In math, we are studying the divisibility rules for 2, 5 and 10. Knowing these strategies will help during word problems and when manipulating numbers greater than 100.

### **Necessary Information:**

The divisibility rules apply to whole numbers only.

Eg. 4.5 is not a whole number, so 9 cannot be divided by 2.

### **Practice Section:**

1. How do you know a number can be divided by 2?
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
2. How do you know a number can be divided by 5?
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
3. What is the divisibility rule for 10?

4. Complete the chart by stating 'yes' and 'no' if the number can be divided by 2, 5 or 10.

Number	Divisible by 2?	Divisible by 5?	Divisible by 10?
25			
60			
32			
220			

5. Create a number that can be divided by 5 that fits the following criteria.

- a) Is in the 7 hundreds \_\_\_\_\_
- b) Has a 3 in the tens spot \_\_\_\_\_
- c) Must be 6 digits in length \_\_\_\_\_
- d) Can also be divided by 10 \_\_\_\_\_

**In Your Real World:**

With a family member, answer the following question.

Alex said that 30 candies can be divided equally by 2 people, by 5 people or by 10 people. Is Alex correct? Explain why or why not.