

DIVISIBILITY RULES 2, 4 AND 8

Name: _____ Class: _____ Due Date: _____

Family Member Signature: _____

Objective:

In math, we are studying the divisibility rules for 2, 4 and 8. 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 4?

3. What is the divisibility rule for 8?

4. Complete the chart by stating 'yes' and 'no' if the number can be divided by 2, 4 or 8.

| Number | Divisible by 2? | Divisible by 4? | Divisible by 8? |
|--------|-----------------|-----------------|-----------------|
| 24 | | | |
| 60 | | | |
| 102 | | | |
| 220 | | | |
| 600 | | | |

5. Create a number that can be divided by 4 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) Ends with a zero _____

In Your Real World:

From your pantry, take out a box/package of pre-packaged food (eg. Kraft dinner, can of soup, noodle package, frozen fish sticks). Talk to a family member about how would you divide the food amongst your family? Does everyone get an even portion? Give an example of a packaged food and how you would dish it out at your supper table.