Video Activity: Rules of Divisibility Algebra 1 Kitt

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_

**Rules of Divisibility for 2 (TWO)**

1. Name all single digits that are divisible by 2.
2. Which of the following numbers on the video are examples of numbers divisible by 2?
   1. 458
   2. 1279
   3. 759
   4. 555
   5. 1050

**Rules of Divisibility for 5 (FIVE)**

1. Fill in the blank: All numbers ending in \_\_\_\_ or \_\_\_\_ are divisible by 5.
2. Which of the following numbers on the video are examples of numbers divisible by 5?
   1. 554
   2. 6890
   3. 345
   4. 902
   5. 845

**Rules of Divisibility for 10 (TEN)**

1. What is the rule of divisibility for 10?
2. Which numbers in the video are examples of numbers divisible by 10?
   1. 578
   2. 398
   3. 48
   4. 1903
   5. 490

**Rules of Divisibility for 3 (THREE)**

1. How can you tell if a number is divisible by 3?
2. Using the numbers from the video, SHOW how to determine if each one is divisible by 3.
   1. 639
   2. 56
   3. 86
   4. 360
   5. 468

**Rules of Divisibility for 6 (SIX)**

1. If a number is divisibility by 6, what other numbers is it divisible by?
2. True or False: All numbers divisible by 3 are automatically divisible by 6.
3. Using the numbers from the video, SHOW how to determine if each one is divisible by 6.
   1. 897
   2. 258
   3. 630
   4. 345
   5. 84

**Rules of Divisibility for 9 (NINE)**

1. How are the rules for 9 similar to rules of divisibility for 3?
2. True or False: All numbers that are divisibility by 9 are divisible by 3.
3. Using the numbers from the video, SHOW how to determine if each one is divisible by 9.
   1. 578
   2. 398
   3. 48
   4. 1903
   5. 490

**Directions**: For each number, state whether it’s divisible by 2,3,5,6,9, or 10.

1. 186 2. 85 3. 60 4. 298
2. 747 6. 952 7. 3650 8. 2738
3. 1132 10. 5084 11. 3870 14. 4892