

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Mathematics**  
**Divisibility Homework**

Divisibility Rules			
2 The number is even.			
3 The sum of the digits is divisible by 3.	6 The number is divisible by both 2 and 3.		
4 The first two digits of the number is divisible by 4.	9 The sum of the digits is divisible by 9.	5 The number ends in either zero or five.	10 The number ends in zero.
PRIME		PRIME	

(A) Select **ALL** the numbers that are divisible by **BOTH 2 and 5**. (2)

1.        2,780                      6,907                      2,455                      5,500

(B) Select **ALL** the numbers that are divisible by **BOTH 3 and 6**. (2)

2.        3,033                      1,300                      906                      6,480

(C) Answer each item. (5)

3. Write a digit that makes this statement true.

**81,7225**  **is divisible by 5.**

4. Select **ALL** the digits that make this statement true.

**50** \_\_\_\_\_ **is divisible by 3.**

- (a) 2                      (b) 1                      (c) 6                      (d) 7

5. Which digit makes this statement true? Select the answer.

**3 996 4**  **0 is divisible by 4**

- (a) 7                      (b) 2                      (c) 3                      (d) 1

6. Is 372,402 divisible by 9?    YES                      NO

(D) Write **Yes** if the number is divisible by the given number. Write **No** if the number is not divisible by the given number. (11)

50	
By 2	
By 3	
By 5	
By 10	

432	
By 2	
By 3	
By 4	
By 6	

6201	
By 4	
By 3	
By 5	