

Name \_\_\_\_\_

Date \_\_\_\_\_

# Divisibility Rules!

1. Is 5,673 divisible by 3 or 9? Why or why not?

Circle ALL the numbers that are factors of the given number.  
Complete any necessary work in the space provided.

2. Is 4,560 divisible by

2

3

9

10

Explain your reasoning for your choices.

3. Is 108,756 divisible by

2

3

5

6

9

Explain your reasoning for your choices.

4. Circle all the factors of 453,738 from the list below.

2 3 4 5 6 8 9 10

5. Circle all the factors of 362,120 from the list below.

2 3 4 5 6 8 9 10

6. Circle all the factors of 3,240 from the list below.

2 3 4 5 6 8 9 10

7. Circle all the factors of 12,360 from the list below.

2 3 4 5 6 8 9 10

8. Circle all the factors of 121,000,254 from the list below.

2 3 4 5 6 8 9 10

9. Write a 3 digit number that is divisible by 3 and 5. Explain how you know this number is divisible by 3 and 5.

10. Write a 4 digit number that is divisible by both 5 and 9. Explain how you know this number is divisible by 5 and 9.