



Divisibility Rules

Name _____

Date _____

Fill in the divisibility rules and add examples for each rule. Remember: A number is **divisible** by another number if the quotient is a whole number and the remainder is zero.

Divisibility Rules	
A number is divisible by...	Examples
2 if the last digit is _____ (0, 2, 4, 6, or 8).	
3 if the _____ of the digits is divisible by 3.	
4 if the last two digits form a _____ that is divisible by 4.	
5 if the last digit is _____.	
6 if the number is divisible by both _____.	
9 if the _____ of the digits is divisible by 9.	
10 if the _____ is 0.	

Divisibility Challenge

Use divisibility rules and circle each factor that the number is divisible by.

<p>57</p> <p>is divisible by...</p> <p>2 <u>3</u> 4 5 6 9 10</p>	<p>84</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>126</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>230</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>
<p>342</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>453</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>610</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>857</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>
<p>916</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>2,058</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>8,616</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>	<p>73,260</p> <p>is divisible by...</p> <p>2 3 4 5 6 9 10</p>