

NAME _____

DATE _____

Thinking About Divisibility

It's easy to tell if a small number like 12 is divisible by another number. With bigger numbers, like 435, it can be harder to tell. Fill in the rules for knowing if a certain number is divisible by 5 or 10. Then figure out which numbers are divisible by each number.

Rule	Circle the numbers that are divisible by the number whose rule you just described.
<p>ex a Finish the rule: A number is divisible by 2 if...</p> <p>there is 0, 2, 4, 6, or 8 in the ones place.</p>	<p>b</p> <p>431 126 902 463 4,595 3,008</p>
<p>1 A number is divisible by 3 if the sum of its digits is divisible by 3.</p>	<p>a</p> <p>117 409 423 6,151 3,213</p>
<p>2a Finish the rule: A number is divisible by 5 if...</p>	<p>b</p> <p>205 452 600 2,365 7,004</p>
<p>3 A number is divisible by 6 if the sum of its digits is divisible by 3 and it is even.</p>	<p>a</p> <p>132 270 588 2,706 3,512</p>
<p>4 A number is divisible by 9 if the sum of its digits is divisible by 9.</p>	<p>a</p> <p>225 324 965 1,809 2,584</p>
<p>5a Finish the rule: A number is divisible by 10 if...</p>	<p>b</p> <p>208 700 810 2,304 8,430</p>