

Name: _____ Date: _____

Subject: Mathematics

Grade: 6



Remember: A number is divisible by another number if the quotient is a whole number and the remainder is zero.

Instructions: Fill in the blank to complete divisibility rules.

Divisibility Rules	
A number is divisible by...	Examples
2 if the last digit is _____ (0, 2, 4, 6, or 8).	248
3 if the _____ of the digits is divisible by 3.	486
4 if the last two digits form a _____ that is divisible by 4.	4, 464
5 if the last digit is _____ or _____.	3, 845
6 if the number is divisible by both _____ and _____.	306
8 if the last _____ digits are divisible by 8.	792
10 if the last _____ is 0.	2870

Part 2: Write T or F to tell whether each statement is true or false.

1. No odd number is divisible by 2. _____

2. All numbers that are divisible by 4 are also divisible by 2.

3. All numbers that are divisible by 3 are also divisible by 6.

4. A number is between 40 and 50 and is divisible by both 3

and 4. _____

Divisibility Challenge

Use divisibility rules and choose **each** factor that the number is divisible by.
Some numbers may have more than one factor.

<p style="text-align: center;">57 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>	<p style="text-align: center;">84 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>
<p style="text-align: center;">126 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>	<p style="text-align: center;">230 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>
<p style="text-align: center;">916 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>	<p style="text-align: center;">2,058 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>
<p style="text-align: center;">8,616 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>	<p style="text-align: center;">73,260 is divisible by...</p> <p>2 3 4 5 6 8 9 10</p>