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.

57 is divisible by... 2 3 4 5 6 8 9 10	**84** is divisible by... 2 3 4 5 6 8 9 10
126 is divisible by... 2 3 4 5 6 8 9 10	**230** is divisible by... 2 3 4 5 6 8 9 10
916 is divisible by... 2 3 4 5 6 8 9 10	**2,058** is divisible by... 2 3 4 5 6 8 9 10
8,616 is divisible by... 2 3 4 5 6 8 9 10	**73,260** is divisible by... 2 3 4 5 6 8 9 10

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