

Divisibility & Remainders

Advanced

Bigger numbers, combined checks.

Name: _____ Date: _____

Think: Divisible by 6 means divisible by BOTH 2 and 3. Check each on its own.

1. Solve each one. Reason it out!

- 1) What is the smallest number GREATER than 300 that is divisible by 3? _____
- 2) What is the remainder of $349 \div 9$? _____
- 3) Is 227 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 4) What is the smallest number GREATER than 116 that is divisible by 4? _____
- 5) What is the smallest number GREATER than 171 that is divisible by 5? _____
- 6) What is the remainder of $397 \div 7$? _____
- 7) What is the smallest number GREATER than 257 that is divisible by 7? _____
- 8) What is the smallest number GREATER than 58 that is divisible by 8? _____
- 9) Is 178 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 10) What is the smallest number GREATER than 148 that is divisible by 5? _____
- 11) What is the smallest number GREATER than 197 that is divisible by 8? _____
- 12) What is the remainder of $186 \div 7$? _____