

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 remainder of $214 \div 7$? _____
- 2) What is the smallest number GREATER than 392 that is divisible by 7? _____
- 3) Is 252 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 4) What is the smallest number GREATER than 389 that is divisible by 6? _____
- 5) Is 208 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 6) Is 71 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 7) What is the smallest number GREATER than 177 that is divisible by 9? _____
- 8) Is 243 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 9) What is the remainder of $210 \div 6$? _____
- 10) Is 158 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 11) Is 242 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____
- 12) Is 209 divisible by 6? (It must be divisible by BOTH 2 and 3.) _____