



Rules of Divisibility

Example:

Is 8,226 divisible by 9?

Using the rule of divisibility for 9, is the sum of the digits of 8,226 divisible by 9? $8 + 2 + 2 + 6 = 18$ and $18 = 2 \times 9$. Therefore, 8,226 is divisible by 9.

Determine if the following numbers are divisible by 2, 3, 4, 5, 6, 8, 9, or 10.

1. 30

2. 22

3. 51

4. 24

5. 48

6. 400

7. 711

8. 532

9. 66

10. 1,803

11. 915

12. 768

13. 2,570

14. 4,986

15. 3,104