

Divisibility Rules

- 1 All numbers are divisible by 1.
- 2 A number is evenly divisible by 2 if it is even.
- 3 A number is evenly divisible by 3 if the sum of the digits is divisible by 3.

Trick: Cast out threes or groups of digits adding to multiples of 3. If nothing is left, the number is evenly divisible by three.

- 4 A number is evenly divisible by 4 if the last two digits are divisible by 4.
- 5 A number is evenly divisible by 5 if the last digit is a 5 or a 0.
- 6 A number is evenly divisible by 6 if it is divisible by both 2 and 3.
- 7
- 8 A number is evenly divisible by 8 if it is divisible by both 2 and 4.
- 9 A number is evenly divisible by 9 if the sum of the digits is divisible by 9.

Trick: Cast out nines or groups of digits adding to 9. If nothing is left, the number is evenly divisible by nine.

- 10 A number is evenly divisible by 10 if the last digit is a 0.