

Rules of Divisibility

Ends in Rules

Divisible by 2 –

if it ends is an even number. (the units digit is divisible by 2)

Divisible by 5 –

if it ends in 0 or 5. (the units digit is divisible by 5)

Divisible by 10 –

if it ends in 0. (the units digit is divisible by 10)

Last Digits Rules

Divisible by 4 –

if the last 2 digits of the integer is divisible by 4

Divisible by 8 –

if the last 3 digits of the integer is divisible by 8

Sums Rules

Divisible by 3 – if the sum of the digits is divisible by 3

Divisible by 9 – If the sum of the digits is divisible by 9

Combo Rule

Divisible by 6 – If the integer is divisible by 2 and by 3

Is it worth it Rules

Divisible by 7 –

if the integer represented without the units digit, minus twice the units digit is divisible by 7

Divisible by 11 –

if the sum of the digits in the places that are even powers of 10 minus the sum of the digits in the places that are odd powers of 10 is divisible by 11

Write a number that is divisible by 2, 3, 4, 5, 6, 8, 9 and 10.

Write a number that is divisible by 2, 3, 4, 5, 6, 8 and 10 but not 9.