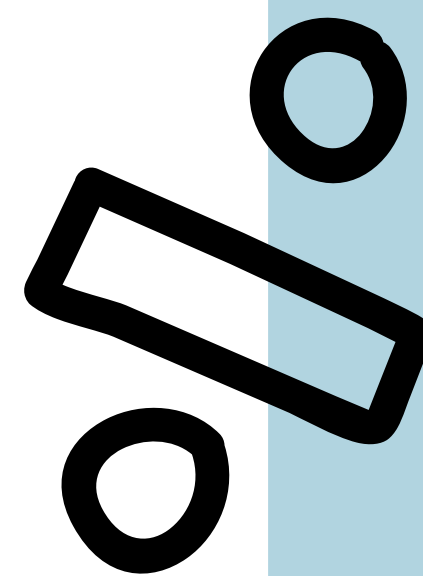
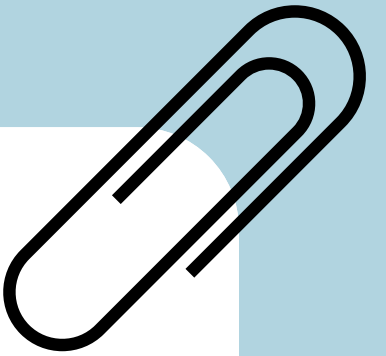




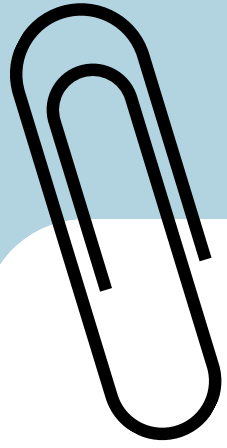
Divisibility Rules



Divisibility



When you can divided two numbers without a remainder, the first number is divisible by the second number.



Example

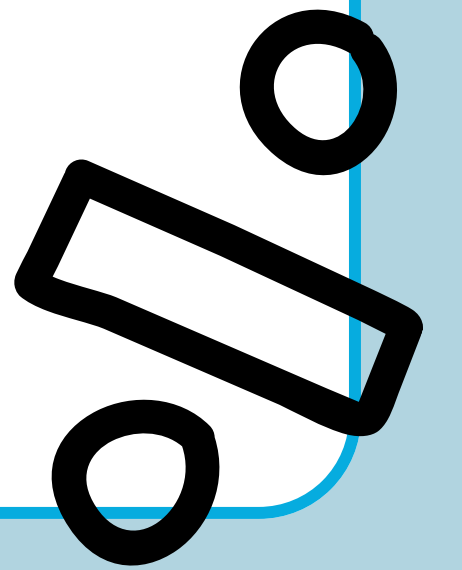
The number 12 is divisible by 2.

$$12 \div 2 = 6$$

Example

The number 12 is also divisible by 6.

$$12 \div 6 = 2$$

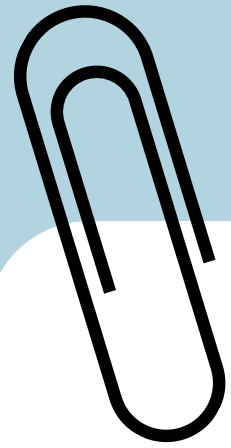




Example

The number 12 is not divisible by 7.

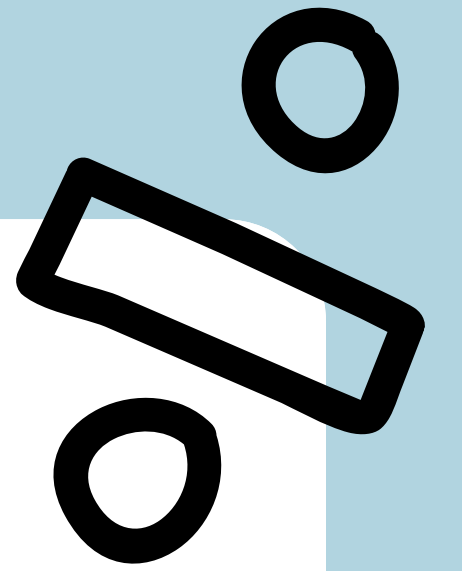
$$12 \div 7 = 1 \text{ R}5$$



Factors

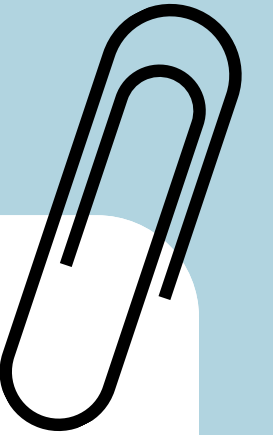
A number will always be divisible by its factors. Factors are numbers you multiply together to get a new number.

Divisibility by 2



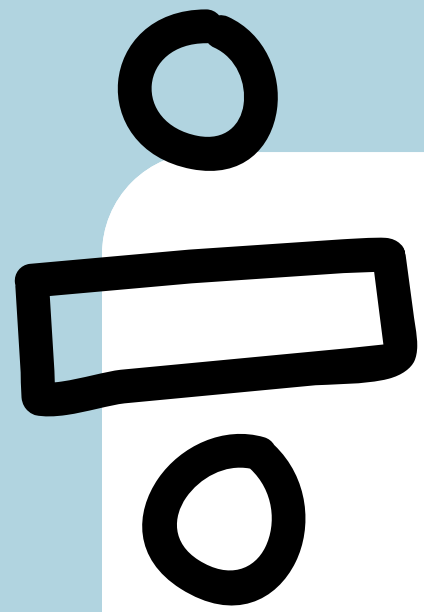
A number is divisible by 2 if its ones digit is
0, 2, 4, 6, or, 8 (an even number).

Divisibility by 2



Is the number 30 divisible by 2?

Why or why not?



Example

Is the number 11 divisible by 2?

Why or why not?