



Year 6, Term 2

Target: multiply and divide decimal numbers by 10, 100 and 1000

By the end of this half term, children should know and be able to recall the following facts instantly:

Key vocabulary

Divisible by means that you can divide one number by another and the answer is a whole number

Key questions

Is the last digit even? (divisible by 2)

What is the sum of the digits?



Examples

Divisibility Rules!		
A number is divisible by...		
2	➡	if the last digit is <u>even</u> or <u>zero</u> .
3	➡	if the <u>sum</u> of the digits is divisible by <u>three</u> .
4	➡	if the <u>last two</u> digits are divisible by <u>four</u> .
5	➡	if the <u>last</u> digit is <u>zero</u> or <u>five</u> .
6	➡	if the number is divisible by <u>both two</u> and <u>three</u> .
8	➡	if the <u>last three</u> digits are divisible by <u>eight</u> .
9	➡	if the <u>sum</u> of the digits is divisible by <u>nine</u> .
10	➡	if the <u>last</u> digit is <u>zero</u> .

Useful websites

<https://byjus.com/maths/divisibility-rules/>

<https://www.mathsisfun.com/divisibility-rules.html>

[https://www.transum.org/software/SW/Starter of the day/Students/Divisibility Test.asp](https://www.transum.org/software/SW/Starter%20of%20the%20day/Students/Divisibility%20Test.asp)