



Hippings Methodist Primary School

Key Instant Recall Facts Year 6 – Autumn 2

I know the test for divisibility for numbers up to 10

By the end of this half term, the children should know the following divisibility rules and be able to use them to test for divisibility up to 10. The aim is for them to recall these facts **instantly**.

DIVISIBILITY RULES	
A NUMBER IS DIVISIBLE BY	
2	if The last digit is even (ending in 0,2,4,6,8)
3	if The sum of the digits is divisible by 3
4	if The last 2 digits are divisible by 4
5	if The last digit is a 0 or 5
6	if The number is divisible by 2 and 3
8	if The last 3 digits are divisible by 8
9	if The sum of the digits is divisible by 9
10	if The last digit is a 0

Key Vocabulary

$$\begin{array}{c} 10 \div 2 = 5 \\ \text{dividend} \quad \text{divisor} \quad \text{quotient} \\ \text{division sign} \\ \text{dividend} + \text{divisor} = \text{quotient} \end{array}$$

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

'Divisible by' and 'can be exactly divided by' mean the same thing.

Key Questions

- Is the last digit even? (divisible by 2)
- Is the sum of the digits divisible by 3?
- Is it divisible by both 2 and 3?

Top Tips!

The secret to success is practising **little** and **often**. Maybe take two times tables per week and learn the divisibility test for those before moving on to the next two the following week?

Play games –

Is it Divisible Dice Game - <https://mathequalslove.net/is-it-divisible-dice-game/>

Divisibility test https://www.transum.org/software/SW/Starter_of_the_day/Students/Divisibility_Test.asp

Useful websites (games and information)

<https://nrich.maths.org/articles/divisibility-tests>

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

