

Divisibility Rules!

Purpose:

The purpose of this activity is to help your child learn divisibility rules for 2, 3, 4, 5, and 10.

Link to Number Framework:

Number Facts, Stage 7-8.

What you need:

- Vehicle license plates. Play this game while you are traveling in the car.

What to do:

- Each time you are out in the car look for car license plates that are divisible by 2.
- As players find numbers that can be divided by 2 with no remainder they call them out.
- If you like you can keep a track of the score, with players receiving one point for each correct answer.
- Once your child is confident finding numbers divisible by 2, move on to look for numbers divisible by 3, 4, 5, or 10.

Extension:

- Look for numbers divisible by both 2 and 3.
- Look for numbers divisible by both 3 and 5.
- Look for numbers divisible by both 3 and 4.

Rules for Divisibility:

A number is divisible by 2 if the last digit is an even number.

A number is divisible by 3 if the sum of the digits is divisible by 3.

A number is divisible by 4 if the number formed by the last two digits is divisible by 4.

A number is divisible by 5 if the last digit is either 0 or 5.

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

Related Māori vocab:

car number plate	tau tohu motukā
divide	whakawehe (-a)
last digit	mati whakamutunga