

Calculator Factors

Purpose:

The purpose of this activity is to help your child learn factors of numbers 100. Factors are numbers that divide evenly into a number with no remainder, for example, the factors of 6 are 1, 2, 3, and 6.

Link to Number Framework:

Number Facts, Stage 7-8.

What you need:

- A calculator

What to do:

- Enter a 2 digit number into the calculator.
- Ask your child to name as many factors of this number as they can. Factors come in pairs that multiply together to give the number. Every number has at least 1 and itself as factors.
- If your child is unsure whether a number is a factor, use the calculator to check. For example, if they are unsure whether 6 is a factor of 48, calculate 48 divided by 6. This will tell you the number that multiplies with 6 to give 48. In this example $48 \div 6 = 8$ so both 6 and 8 are factors of 48. If the answer to the division is not a whole number, ie, it has a decimal point, then the number is not a factor. For example $48 \div 5 = 9.6$ so 5 is not a factor of 48.
- Take turns with your child to name factors for numbers and use the calculator.

What to expect your child to do:

- Use the basic multiplication facts they know to help them identify factors. For example, if you know 4×8 is 32, you can use this to identify that 4 and 8 are factors of 32.

Related Māori vocab:

two digit number	tau mati-rua
calculator	tātaitai
factor	tauwehe
divide	whakawehe (-a)