



Find the Biggest Total

Purpose:

You can help your child to develop their knowledge of place value – tens and ones in a number.

What you need:

- Pen and paper
- 1 Die

What to do:

The aim of this game is to make the biggest number, by adding the result of 4 throws of a die. Players take turns to throw the die and write down the number thrown. For each throw players can choose whether to write down the number as a ones digit or a tens digit. For example, if a 3 is thrown, the player can choose to write down 3 or 30.

Play continues until all players have 4 numbers recorded each. Each player must have 2 ones digits and 2 tens digits written down from their 4 throws.

The player with the biggest number, calculated by adding all four numbers together at the end of the four rounds, is the winner.

What to expect your child to do:

Add the numbers together correctly. It is likely that they will need to 'count on' to do so. Expect them to see that choosing the larger numbers to be tens and the smaller numbers to be ones will make a larger number overall.

Variation:

The player with the smallest total is the winner.

He Kupu Māori

place value	uara tū
dice	mataono tau
roll (a dice)	pīrori (-hia)
ones digit	mati tahi
tens digit	mati tekau
total	tapeke

He Whakawhitinga Kōrero:

- Kei a koe i te tuatahi. Pīrorihia te mataono tau. Tuhia te tau ka puta mai. Tuhia hei mati tekau, tuhia hei mati tahi rānei. *(Your turn first. Roll the dice. Write down the number that comes up. Write it as a tens digit or a ones digit.)*
- Kei a au ināianei. Māku e pīrori te mataono tau. Ka tuhi au i te tau ka puta hei mati tahi, hei mati tekau rānei. *(My turn now. I'll roll the dice and write the number that comes up as a tens digit or a ones digit.)*
- Kia whā katoa ngā pīroritanga o te mataono tau. E rua o ngā tau ka puta ka tuhia hei mati tahi. E rua ka tuhia hei mati tekau. Kei a koe anō ināianei – tō pīroritanga tuarua. *(There are 4 rolls of the dice in total. Two of the numbers which come up are written as one's digits, two are written as tens. You turn again now – your second roll.)*
- Tāpīrihia ō tau. E hia te tapeke? Kei a wai te tapeke iti rawa atu? Ko ia te toa. *(Add your numbers up. What is the total? Whose got the smallest total? They win.)*