Groupings of numbers and their remainders

Purpose:
To help your child to practice the groups of 3, 4, 6, 7, 8, 9 in numbers up to 100

What you need:
- Pack of playing cards. (Ace = 1, Jack = 0)
- Score card, paper and pencil for each player

What to do:
Each player chooses the number of groups they want to focus on (3, 4, 6, 7, 8, or 9)
Write this in the space in the first row. This number is the group number.

Shuffle the cards and place them face down between the players.
The first player takes two cards from the pile and makes a number by arranging the two digits.
For example: the cards 2 and 3 can be arranged as 23 or 32.

For Groups of [4]
Write 23 in the Number column beside 20 – 29.
Write 5 in the Groups column.
Write 3 in the Remainder column.

	Number	Groups of **[4]**	Remainder
0 – 9			
10 - 19			
20 - 29	23	5	3

For Groups of [5]
Write 23 in the Number column beside 20 – 29.
Write 4 in the Groups column.
Write 3 in the Remainder column.

	Number	Groups of **[5]**	Remainder
0 – 9			
10 - 19			
20 - 29	23	4	3

The cards are placed at the bottom of the pile.

The next player takes two cards and makes a number to have a turn to fill in a row.

The winner is the first person to fill in every space on their scorecard.

What to expect your child to do:
To instantly recall the groupings of numbers up to 10 times the group number.

Variation:
- Start with groups of 2s, 5s or 10s.
- The game can be played a number of times with players choosing different group numbers.

He Kupu Māori:

groups	rōpū
pack of cards	pūkei kāri
score card	kāri whiwhinga
two digit number	tau mati-rua
column	pou

He Whakawhitinga Kōrero:
- Kei te hiahia koe ki te aro atu ki ngā rōpū o te 3, o te 4, o te 6, o te 7, o te 8, o te 9 rānei? *(Do you want to focus on groupings of 3, 4, 6, 7, 8 or 9?)*
- Tuhia te tau e aro ana koe ki te pouaka i te pou tuatoru. *(Write the number you are going to focus on in the box in the third column.)*
- Riwhiriwhia ngā kāri, ka whakaputu ai, ko ngā mata ki raro. *(Shuffle the cards and place them face down in a pile.)*
- Tangohia kia rua ngā kāri, ka hanga ai i tētahi tau mati-rua. *(Take two cards and make a two digit number.)*
- E hia ngā rōpū o te [3] kei roto i te tau i hangaia e koe? *(How many groups of [3] are in the number you made?)*
- E hia e toe mai ana? *(How many left over?)*
- Whakahokia ō kāri. *(Put your cards back.)*
- Kei a au ināianei. *(My turn now.)*
- Kua kī katoa taku kāri whiwhinga. Ko au te toa! *(My score card is all full. I'm the winner!)*

	Te tau	Ngā rōpū o te:	Te toenga
0 – 9			
10 - 19			
20 - 29			
30 - 39			
40 - 49			
50 - 59			
60 - 69			
70 - 79			
80 - 89			
90 - 99			

Score card

	Number	Groups of:	Remainder
0 – 9			
10 - 19			
20 - 29			
30 - 39			
40 - 49			
50 - 59			
60 - 69			
70 - 79			
80 - 89			
90 - 99			

Score card

	Number	Groups of:	Remainder
0 – 9			
10 - 19			
20 - 29			
30 - 39			
40 - 49			
50 - 59			
60 - 69			
70 - 79			
80 - 89			
90 - 99			