

# Task notes | What's the pattern? He aha te Taura?

Y4

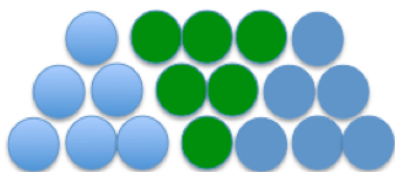
➤ Notes for parents. Activity next page.

**The purpose of this task is to help your child to:**

- see number patterns
- make a table to show a number pattern
- describe in their own words how the pattern works (the rule for the pattern)
- apply their knowledge of the 3 and 4 x tables

**You may like to print the task sheet on the following page or make one of your own.**

Your child is asked to **make a table** to show the pattern.  
A table for this pattern might look like this.



Triangle number	1	2	3	4	5	6	7	8
Balls in triangle	5	5	5	5	5	5	5	5
Balls altogether	5	10	15	20	25	30	35	40

Your child is asked to **describe the pattern** and understand how it works. It might be like this.

‘As each triangle is added, the total number of balls grows by five. If you multiply the number of the triangle by 5 you can find the number of balls altogether.’

Your child is also asked to work out a number that is **bigger than** the numbers in the table. For example, ‘So if there were 40 triangles there’d be 40 x 5 balls which is 200.’



# Hei Mahi | He aha te Tauira? What's the pattern?

Tau  
Kura 4

## He tauira kōrero Māori

Whakamāramatia mai te tauira nei.	Explain this pattern to me.
He aha te wāhanga tuatahi o te tauira? Whakamāramatia mai.	What is the first part of the pattern. Explain it to me.
Pēhea nei te tipu o tēnei tauira?	How does this pattern grow?
Me pēhea te whakaroa i te tauira nei?	How do we continue this pattern?
Whakaaturia te tipu o tēnei tauira ki te tūtohi.	Show how this pattern grows in the table.
Tuhia ngā tau e hāngai ana ki ngā wāhanga o te tauira ki te kapa runga o te tūtohi.	Write the number relating to the parts of the pattern on the top row of the table.
Tuhia te maha o ngā [rārangi/raupua/tīwatawata/pou] ki te kapa tuarua o te tūtohi.	Write the number of [lines/petals/palings/posts] on the second line of the table.

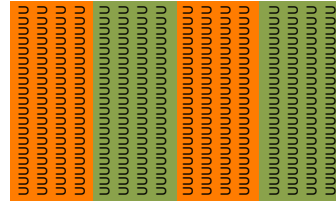


# Hei Mahi | He aha te Taura? What's the pattern?

Tau  
Kura 4

Koinei te taura o ngā rārangi whatu wūru a Tema.  
Arā, ka 4 ngā rārangi karaka, ka whā ngā rārangi kākāriki.

He aha te tae o te rārangi nama 25?  
He aha te tae o te rārangi nama 37?



Tuhia he tūtohi hei whakaatu i te taura.  
Tuhia he kōrero hei whakamārama i te taura.

He taura putiputi tēnei. E 4 ngā raupua o ia putiputi.  
Ka hia ngā raupua mēnā 10 ngā putiputi?



Tuhia he tūtohi hei whakaatu i te taura.  
Tuhia he kōrero hei whakamārama i te taura.

Kua oti ētahi wāhanga e rua o tēnei taiapa. Tekau mā rua ngā  
wāhanga katoa o te taiapa, ā, he ōrite ngā wāhanga.

E hia katoa ngā tiwatawata, e hia katoa ngā pou o te taiapa?

Tuhia he tūtohi hei whakaatu i te taura.  
Tuhia he kōrero hei whakamārama i te taura.

