

➤ Notes for parents. Activity next page.

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

- show different ways of solving a problem
- talk about **how** they solve a problem and **why** they did it that way
- enjoy working out maths problems

You may like to print the task sheets on the next two pages.

Notice that each problem is 'open'. There could be a number of answers. There is no single right answer to any of the problems.

- Ask your child to choose a problem, and to explain to you what it is asking them to do.
- Have them suggest how they might go about working it out.
- Notice that most of the problems are open-ended: that is there is no single right answer. Give your child the time and encouragement to solve each problem in as many ways as they can.
- Listen carefully as your child explains their solution/s and tell them what you like about what they have done.
- Suggest that they try another problem when they're ready.
- The problems can be completed over time. You can come back to them. The idea is to explore thoroughly the possibilities of each problem one at a time, rather than hurrying on to the next one.



He tauira kōrero Māori

Ko tēhea o ēnei rapanga hei tiroiro, hei whakaoti mā tāua?	Which one of these problems shall we look at and solve?
Pānuihia mai.	Lets read it.
Kei te mārama koe ki ngā kupu? He aha ētahi kupu kāore i te mārama?	Do you understand all the vocab? Which words are not clear?
He aha tā tāua mahi. E whiriwhiri ana tāua i te aha?	What do we need to do? What is it that we are working out?
He aha te mahi tuatahi?	What's the first thing to do?
Whakamāramahia mai ō mahi.	Explain to me what you are doing.
Whakamāramahia mai ō whakaaro.	Explain to me what you are thinking.
Koinā anake te otinga? He otinga atu anō e tika ana?	Is that the only solution? Are there other solutions that are correct?



Hei Mahi | Te Whakaoti Rapanga Problems to solve

Tau
Kura 4

Ko te kōhi kāri te mahi a Hema. Kua hoatu ētahi kāri ki ōna hoa. E 34 ngā kāri e toe ana ki a Hema.

E hia pea ngā kāri a Hema i te tīmatanga? E hia i tukuna ki ōna hoa?

Kei te whakamahi koe i te tātaitai hei whiriwhiri i te tangohanga $164 - 45$. Ko te raruraru, kua pakaru ngā pātene mō te 4 me te 6.

Me pēhea te whakamahi tonu i te tātaitai hei whakaoti i tēnei tangohanga?



$$1/5 + 3/5 = \square$$

He aha ētahi whakaahuahanga o tēnei tāpiritanga hautau?

Whakaarohia he whakaahuahanga ā-kupu, ā-pikitia hoki.

\$18 te whiwhinga a Rangi i ia wiki. E hia te tapeke o āna moni whiwhi i te mutunga o ngā wiki e rima?



He aha ētahi rautaki rerekē hei whakaoti i tēnei rapanga?

E rua ngā tau. He kore te mati-tahi o tētahi o ngā tau. Ina whakareatia ēnei tau, ko te 160 te otinga. He aha ēnei tau e rua? Kotahi noa iho te otinga o tēnei rapanga, he nui ake rānei? $\square \times \square = 60$

Ka wehea te āporo ki ētahi wāhanga e rua.

Kāore pea e rite ana te rahi o ia wāhanga.

He aha pea ngā hautanga āporo e rua nei?



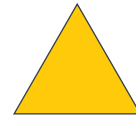
Hei Mahi | Te Whakaoti Rapanga Problems to solve

Tau
Kura 4

He tapawhā hāngai te āhua o te māra. E 36 mita te paenga, huri amio i ngā tapa. Tuhia he pikitia o tēnei tapawhā hāngai, me te whakaatu anō i te roa o ngā tapa.

Kia toru ngā whētuinga o tētahi pepa A4. Tuhia he tapatoru rite, e 4cm te roa o ngā tapa. Tapahia tēnei tapatoru, me ētahi tapatoru e 6 i te pepa whētui. Kia 7 katoa ngā tapatoru.

Whakatakotoria kia 6, kia 7 rānei ngā tapatoru, kia piri tahi ai t/ētahi tapa ki t/ētahi. Tuhia ngā āhua ka hua ake.



Kia 20 ngā pīroritanga o te mataono tau. Tāpiria ngā tau ka puta i ia pīroritanga, ka tuhi ai i ngā tapeke.

Titiro ki ngā tapeke e 20. Porowhitatia te tapeke he auau rawa atu te puta. He aha i auau rawa atu ai tēnei tapeke?



Kia 20 anō ngā pīroritanga o ngā mataono tau. He pērā anō te tapeke auau rawa atu?

E 3kg te taumaha e taea ana te kawē i roto i tēnei pēke. Ki tua atu i te 3kg, ka pakaru te pēke. He aha ētahi kōwhiringa o ēnei kai ka taea te kawē i te pēke nei?

500g pata, 420g kēne pīni, 700g parāoa, 95g tuna, 1200g panana, 1kg tīhi, 225g pihikete, 300g parāoa rimurapa, 175g pēkana, 180g miraka tepe, 400g poro patahua, 200g pēke tī, 100g ranunga hupa.

