

➤ Notes for parents. Activity next page.

The purpose of this task is to have your child:

- solve a number problem in several ways and write these down

Think about this:

- Children are encouraged at this year level to **understand** a range of strategies for solving a given problem, and to be able to identify which is the most efficient. This deepens their mathematical understanding. It is likely and reasonable however, that your child will most often use their preferred method.
- In this problem these are the strategies described:

Marie uses *addition*:

$$\$176 + \square = \$392 = \$176 + \$216 = \$392$$

Monty *adds the same to both numbers and subtracts*:

$$(392 + 8) - (\$176 + 8) = 400 - \$184 = \$216$$

Marty *uses a subtraction algorithm*:

$$\begin{array}{r} 81 \\ 392 \\ - 176 \\ \hline 216 \end{array}$$

Minty *uses place value and subtracts*:

$$392 - 100 = 292, 292 - 70 = 222, 222 - 6 = 216$$

- When your child attempts the second problem, suggest that they look carefully at the numbers they found in the first problem.



Hei Mahi | He rautaki whakaoti paheko tau

What do they know?

**Tau
Kura 6**

He taurira kōrero Māori

Tuhia te paheko tau e hāngai ana ki tēnei rapanga.	Write down the number operation relating to this problem.
Tangohia te moni i whakapaungia i te wiki tuatahi i te whakapaunga moni i ngā wiki e rua. Arā, $392 - 176$.	Take away the money spent in the first week from the money spent in the two weeks. Thats $392 - 176$.
Rautaki 1:	
Me pēhea te huri hei tāpiritanga?	How can we change this to an addition?
Tāpiria te aha ki te 176 kia eke ki te 392?	What do you add to 176 to get 392?
Tāpiria te 4, ka 180. Tāpiria te 20, ka 200. Tāpiria te 192, ka 392. Hui katoa ko te $4 + 20 + 192$ i tāpiria atu. Ko te 216 tērā.	Add 4 you get 180. Add 20 take you to 200. Add 192 takes you to 392. Altogether we added $4 + 20 + 192$. Thats 216 altogether.
Rautaki 2:	
Tāpiria te 24 ki ngā tau e rua. Ko te $416 - 200$ te tangohanga ināiane. He ōrite te otinga engari he tau māmā te 200. He māmā te tango.	Add 24 to both numbers. The subtraction becomes $416 - 200$. The answer is the same but 200 is a tidy number. Its easy to take away.
Rautaki 3:	
$392 - 176$: Tangohia ngā rau – ko te $300 - 100 = 200$ Tangohia ngā tekau – ko te $90 - 70 = 20$ Tangohia ngā tahi – ko te $2 - 6 = -4$ Tāpiria te 200, te 20 me te -4 , ko te 216 tērā.	



Hui katoa, e \$392 te whakapaunga moni a te whānau o Mari ki te hoko kai i ngā wiki e rua kua pahure. \$176 te whakapaunga moni i te wiki tuatahi.

E hia te whakapaunga i te wiki tuarua?

Whāia ēnei rautaki hei whakaoti i tēnei paheko tau. Tuhia ki ngā pouaka.

1. He rautaki tāpiri:

2. Ka tāpiria tētahi tau ki ngā tau e rua o te paheko hei whakamāmā, kātahi ka tango i ngā tau:

3. Te hātepe tangohanga:

4. He rautaki uara tū hei tango i ngā tau:

I ēnei rautaki paheko katoa, ko te te otinga.

I te marama o muri mai, e \$213 te whakapaunga moni i te wiki tuatahi. Hui katoa ko te whakapaunga i te wiki tuatahi me te wiki tuarua, ka \$389.

Whiriwhiria te whakapaunga moni i te wiki tuarua. Kaua e whai i ngā rautaki o runga nei mō te rapanga tuarua, engari me āta tiro tiro noa iho ngā tau i ēnei rapanga e rua.

