

Taumata 2: Te Tau me te Taurangi

Activity 2: Adding and Subtracting

This activity may be used independently, in pairs, or as a class activity on a range of digital devices such as an interactive whiteboard, laptop, i-pad, etc.

Purpose

The purpose of this activity is to recognise and order numbers from 1 to 100, and to practice addition and subtraction facts by using the hundreds board as a number line.

Activities

Using the hundreds board, students could be asked to:

1. Do addition and subtraction.
Show how to add or subtract the tens first by counting up or down, then the ones by counting left or right.
2. Look for addition and subtraction patterns.
Ask the students to find $4+9$, $14+9$, $24+9$, $34+9$, $64+9$. Describe the pattern. $15-7$, $25-7$, $45-7$, etc. describe what these answers have in common. Find other patterns.
3. Play Bingo.
The teacher calls problems and students select answers until a row or column is filled and student calls 'Bingo'.
 1. The teacher selects a 5x5 square on the hundreds board.
 2. The teacher calls the sum and the student clicks the answer.
 3. Example set of questions for board with a 5 by 5 square beginning at 1:

$6 + 5$	$16 - 1$	5 more than 40	$19 - 6$	3 less than 34
$45 - 2$	$18 + 5$	$3 + 0$	$42 + 2$	How many tens in 53
$28 + 5$	$10 - 9$	$7 + 5$	$11 + 11$	Place value of 4 in 34
$12 + 13$	$13 - 11$	8 more than 6	$21 + 21$	10 less than 51
$31 + 4$	$12 + 12$	$25 - 4$	$16 + 16$	6 less than 40

4. Example set of questions for board with a 5 by 5 square beginning at 15:

Accessed from: *Mātauranga Māori*

<http://eng.mataurangamaori.tki.org.nz/Rauemi-tautoko/Pangarau/Te-Papa-a-Rau/Taumata-2-Te-Tau-me-te-Taurangi/Ngohe-2-Tapiritanga-me-te-Tangohanga>

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$13 + 13$	$7 + 8$	9 more than 8	$20 + 18$	3 less than 40
$50 - 3$	$54 + 5$	5 less than 60	$51 + 6$	$12 + 13$
$41 + 5$	$46 - 9$	$38 + 7$	$18 + 18$	34 minus 7
$26 + 2$	$68 - 11$	6 more than 23	$9 + 7$	$13 + 5$
$42 + 6$	$12 + 7$	1 less than 50	$47 + 9$	7 more than 32

5. Example set of questions for board with a 5 by 5 square beginning at 40:

$20 + 21$	$84 - 1$	3 more than 40	$80 - 40$	3 less than 66
$57 - 3$	$68 + 5$	$80 + 0$	$41 + 1$	Place value of 6 in 68
$59 + 5$	$63 - 9$	$37 + 5$	$25 + 25$	$51 - 7$
$71 + 3$	$83 - 11$	8 more than 74	$20 + 50$	10 less than 61
$60 + 2$	$30 + 31$	$85 - 4$	$67 + 4$	6 less than 90

Related resources

Te Reo Pāngarau <http://www2.nzmaths.co.nz/maori/dictionary/>

Poraka Uara Tū <http://www.nzmaths.co.nz/resource/poraka-uara-t>

Te Uara Tū <http://www.nzmaths.co.nz/resource/te-uara-t>

Tekau ngā Pōraka <http://www.nzmaths.co.nz/resource/tekau-ng-poraka>

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